
APPENDIX C

**TABLES OF WATER-DISTRIBUTION SYSTEM OPERATIONS USED IN EPANET 2,
DOVER TOWNSHIP AREA, NEW JERSEY,
1962, 1965, 1971, 1978, 1988, 1995, AND 1996**

NOTES ON SYSTEM OPERATION TABLES

The following tables are contained in Appendix C and describe the monthly operation of the water-distribution system as simulated using the EPANET 2 (Rossman 2000) water-distribution system model:

Table C-1: January 1962–December 1962

Table C-2: January 1965–December 1965

Table C-3: January 1971–December 1971

Table C-4: January 1978–December 1978

Table C-5: January 1988–December 1988

Table C-6: January 1995–December 1995

Table C-7: January 1996–December 1996

Description of operations are taken from the EPANET 2 input data files for the appropriate month and year and are described in the tables according to the following basic format:

Month	Description of Operations
January	Name of storage tank: Initial Water Level (<i>e.g.</i> , WL=17.0 feet) <i>(Notes are provided in italics to describe tank status, how represented in EPANET 2, or hours of operation of booster pumps obtaining water from the tank and supplying the system)</i> well location and identification (<i>e.g.</i> , Brookside well #15), hours of operation (<i>e.g.</i> , [0000 to 2400]), and flow rate (<i>e.g.</i> , 700 gpm) <i>(Notes are provided in italics to describe well operational status)</i>

Table C-1. Water-distribution system operations, Dover Township area, New Jersey, January 1962–December 1962

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
January	Horner Street elevated storage tank in service: Initial WL=63.0 feet Holly well #13 on [1300 to 1500] at 376 gpm Holly well #14 on [1500 to 1700] at 402 gpm Brookside well #15 on [0000 to 1300] and [2200 to 2400] at 678 gpm
February (Minimum-Demand Month)	Horner Street elevated storage tank in service: Initial WL=63.0 feet Holly well #13 on [1300 to 1400] at 595 gpm Holly well #14 on [1400 to 1500] at 640 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 673 gpm
March	Horner Street elevated storage tank in service: Initial WL=63.0 feet Holly well #13 on [1400 to 1600] at 567 gpm Holly well #14 on [1600 to 1700] at 591 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 688 gpm
April	Horner Street elevated storage tank in service Initial WL=70.0 feet Holly well #13 on [1400 to 1600] at 556 gpm Holly well #14 on [1600 to 1900] at 648 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 699 gpm
May (Maximum-Demand Month)	Horner Street elevated storage tank in service Initial WL=87.0 feet Holly well #13 on [0900 to 1600] at 599 gpm Holly well #14 on [1600 to 2200] at 631 gpm Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 713 gpm
June	Horner Street elevated storage tank in service: Initial WL=80.0 feet Holly well #13 on [0800 to 1500] at 595 gpm Holly well #14 on [1500 to 2200] at 578 gpm Brookside well #15 on [0000 to 1600] and [2200 to 2400] at 711 gpm
July	Horner Street elevated storage tank in service: Initial WL=85.0 feet Holly well #13 on [1000 to 1500] at 645 gpm Holly well #14 on [1500 to 2200] at 635 gpm Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 691 gpm
August	Horner Street elevated storage tank in service: Initial WL=80.0 feet Holly well #13 on [1200 to 1600] at 605 gpm Holly well #14 on [1600 to 2200] at 561 gpm Brookside well #15 on [0000 to 1500] and [2200 to 2400] at 701 gpm
September	Horner Street elevated storage tank in service: Initial WL=80.0 feet Holly well #13 on [0900 to 1400] at 556 gpm Holly well #14 on [1400 to 2200] at 608 gpm Brookside well #15 on [0000 to 1500] and [2200 to 2400] at 715 gpm

Table C-1. Water-distribution system operations, Dover Township area, New Jersey, January 1962–December 1962—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
October (Average-Demand Month)	Horner Street elevated storage tank in service: Initial WL=75.0 feet Holly well #13 on [1300 to 1700] at 562 gpm Holly well #14 on [1700 to 2200] at 626 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 692 gpm
November	Horner Street elevated storage tank in service: Initial WL=63.0 feet Holly well #13 on [1400 to 1600] at 559 gpm Holly well #14 on [1600 to 1900] at 652 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 703 gpm
December	Horner Street elevated storage tank in service: Initial WL=63.0 feet Holly well #13 on [1400 to 1600] at 548 gpm Holly well #14 on [1600 to 1900] at 639 gpm Brookside well #15 on [0000 to 1400] and [2200 to 2400] at 689 gpm

Table C-2. Water-distribution system operations, Dover Township area, New Jersey, January 1965–December 1965

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
January	South Toms River elevated storage tank in service: Initial WL=10.0 feet (note: Holly well #13 out of service) (note: Holly well #14 out of service) Holly well #16 on [1400 to 2200] at 799 gpm Brookside well #15 on [0000 to 1500] and [2200 to 2400] at 700 gpm
February (Minimum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=10.0 feet Holly well #16 on [1400 to 2200] at 846 gpm Brookside well #15 on [0000 to 1600] and [2200 to 2400] at 701 gpm
March	South Toms River elevated storage tank in service: Initial WL=10.0 feet Holly well #16 on [1300 to 2200] at 765 gpm Brookside well #15 on [0000 to 1600] and [2200 to 2400] at 711 gpm
April	South Toms River elevated storage tank in service: Initial WL=15.0 feet Holly well #14 on [1400 to 1600] at 696 gpm Holly well #16 on [1600 to 2200] at 785 gpm Holly well #18 on [0900 to 1400] at 699 gpm Brookside well #15 on [0000 to 1500] and [2200 to 2400] at 690 gpm
May	South Toms River elevated storage tank in service: Initial WL=14.0 feet Holly well #14 on [0600 to 1000] at 627 gpm Holly well #16 on [1000 to 2000] at 812 gpm Holly well #18 on [0600 to 1700] at 738 gpm Brookside well #15 on [0000 to 1500] and [1800 to 2400] at 692 gpm
June (Maximum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=17.0 feet Holly well #14 on [0600 to 1000] at 628 gpm Holly well #16 on [1000 to 2100] at 807 gpm Holly well #18 on [0600 to 1800] at 740 gpm Brookside well #15 on [0000 to 1600] and [1800 to 2400] at 696 gpm
July	South Toms River elevated storage tank in service: Initial WL=14.0 feet Holly well #14 on [0600 to 1000] at 628 gpm Holly well #16 on [1000 to 2000] at 806 gpm Holly well #18 on [0600 to 1700] at 733 gpm Brookside well #15 on [0000 to 1500] and [1800 to 2400] at 681 gpm
August	South Toms River elevated storage tank in service: Initial WL=15.0 feet Holly well #14 on [0600 to 1000] at 614 gpm Holly well #16 on [1000 to 2100] at 782 gpm Holly well #18 on [0600 to 1700] at 782 gpm Brookside well #15 on [0000 to 1500] and [1800 to 2400] at 700 gpm

Table C-2. Water-distribution system operations, Dover Township area, New Jersey, January 1965–December 1965—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
September	South Toms River elevated storage tank in service: Initial WL=10.0 feet Holly well #14 on [0600 to 1000] at 570 gpm Holly well #16 on [1000 to 1900] at 833 gpm Holly well #18 on [0600 to 1600] at 750 gpm Brookside well #15 on [0000 to 1400] and [1800 to 2400] at 697 gpm
October (Average-Demand Month)	South Toms River elevated storage tank in service: Initial WL=10.0 feet Holly well #14 on [0600 to 0900] at 538 gpm Holly well #16 on [0900 to 1600] at 768 gpm Holly well #18 on [1600 to 2100] at 800 gpm Brookside well #15 on [0000 to 1600] and [2100 to 2400] at 695 gpm
November	South Toms River elevated storage tank in service: Initial WL=15.0 feet <i>(note: Holly well #14 out of service)</i> Holly well #16 on [1200 to 2200] at 835 gpm <i>(note: Holly well #18 out of service)</i> Brookside well #15 on [0000 to 1800] and [2200 to 2400] at 694 gpm
December	South Toms River elevated storage tank in service: Initial WL=15.0 feet Holly well #16 on [1300 to 2200] at 829 gpm Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 716 gpm

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
January	<p>South Toms River elevated storage tank in service: Initial WL=16.0 feet Indian Hill elevated storage tank in service: Initial WL=14.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 0600] and [1300 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1300] at 1,422 gpm Holly well #14 on [0600 to 1300] at 5 gpm Holly well #16 on [0600 to 1300] at 240 gpm and [1300 to 2400] at 900 gpm Holly well #18 on [0600 to 1300] at 616 gpm Holly well #19 on [0600 to 1300] at 555 gpm Holly well #21 on [0600 to 1300] at 5 gpm Brookside well #15 on [0000 to 1800] and [2200 to 2400] at 692 gpm South Toms River well #17 on [1800 to 2100] at 693 gpm Indian Head well #20 on [1800 to 2200] at 499 gpm</p>
February (Minimum-Demand Month)	<p>South Toms River elevated storage tank in service: Initial WL=18.0 feet Indian Hill elevated storage tank in service: Initial WL=12.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 0600] and [1300 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1300] at 1,365 gpm <i>(note:Holly well #14 out of service)</i> Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1300] at 245 gpm; [1300 to 2400] at 900 gpm Holly well #18 on [0600 to 1300] at 807 gpm Holly well #19 on [0600 to 1300] at 313 gpm <i>(note:Holly well #21 out of service)</i> Brookside well #15 on [0000 to 1100] and [2200 to 2400] at 685 gpm South Toms River well #17 on [1700 to 2100] at 788 gpm Indian Head well #20 on [0900 to 2200] at 490 gpm Anchorage well #98 on [0700 to 0800] at 252 gpm Silver Bay well #99 on [0800 to 0900] at 212 gpm</p>

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
March	<p>South Toms River elevated storage tank in service: Initial WL=18.0 feet Indian Hill elevated storage tank in service: Initial WL=10.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 0600] and [1800 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1800] at 1,373 gpm Holly well #14 on [0600 to 1800] at 9 gpm Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1800] at 364 gpm; [1800 to 2400] at 900 gpm Holly well #18 on [0600 to 1800] at 928 gpm Holly well #19 on [0600 to 1800] at 73 gpm Brookside well #15 on [0000 to 1600] and [2200 to 2400] at 705 gpm South Toms River well #17 on [1600 to 2100] at 745 gpm Indian Head well #20 on [1700 to 2200] at 494 gpm <i>(note:Anchorage well #98 out of service)</i> <i>(note:Silver Bay well #99 out of service)</i></p>
April	<p>South Toms River elevated storage tank in service: Initial WL=18.0 feet Indian Hill elevated storage tank in service: Initial WL=8.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1800] at 1,254 gpm Holly well #14 on [0600 to 1800] at 125 gpm Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1800] at 493 gpm; [1800 to 2400] at 900 gpm Holly well #18 on [0600 to 1800] at 1,032 gpm Holly well #19 on [0600 to 1800] at 430 gpm Holly well #21 on [0600 to 1800] at 74 gpm Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 697 gpm South Toms River well #17 on [1600 to 2100] at 684 gpm Indian Head well #20 on [1100 to 2200] at 510 gpm Anchorage well #98 on [0700 to 1000] at 426 gpm Silver Bay well #99 on [1000 to 1400] at 380 gpm</p>

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
May	South Toms River elevated storage tank in service: Initial WL=20.0 feet
	Indian Hill elevated storage tank in service: Initial WL=15.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 2100] at 1,237 gpm)
	Holly well #14 on [0600 to 2100] at 114 gpm
	Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 2100] at 583 gpm; [2100 to 2400] at 900 gpm
	Holly well #18 on [0600 to 2100] at 768 gpm
	Holly well #19 on [0600 to 2100] at 646 gpm
	Holly well #21 on [0600 to 2100] at 27 gpm
	Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 692 gpm
	South Toms River well #17 on [0600 to 1200] and [2100 to 2200] at 783 gpm
	Indian Head well #20 on [0800 to 1800] at 501 gpm
Anchorage well #98 on [0600 to 1200] at 379 gpm	
Silver Bay well #99 on [1200 to 2100] at 394 gpm	
June	South Toms River elevated storage tank in service: Initial WL=22.0 feet
	Indian Hill elevated storage tank in service: Initial WL=9.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0000 to 2400] at 1,409 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0800 to 0900] at 3195 gpm)
	Holly well #14 on [0000 to 2400] at 249 gpm
	Holly well #16 on [0000 to 2400] at 701 gpm
	Holly well #18 on [0000 to 2400] at 561 gpm
	Holly well #19 on [0000 to 2400] at 452 gpm
	Holly well #21 on [0000 to 2400] at 345 gpm
	Parkway well #22 on [0800 to 0900] at 1,304 gpm
	Parkway well #23 on [0800 to 0900] at 651 gpm
	Parkway well #27 on [0800 to 0900] at 1,239 gpm
Brookside well #15 on [0000 to 1500] and [1900 to 2400] at 710 gpm	
South Toms River well #17 on [0700 to 1200] and [1500 to 2000] at 784 gpm	
Indian Head well #20 on [0600 to 2100] at 488 gpm	
Anchorage well #98 on [0600 to 2000] at 404 gpm	
Silver Bay well #99 on [0500 to 2100] at 406 gpm	

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
July (Maximum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=22.0 feet
	Indian Hill elevated storage tank in service: Initial WL=10.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0000 to 2400] at 1,445 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0700 to 1700] at 2,820 gpm)
	Holly well #14 on [0000 to 2400] at 249 gpm
	Holly well #16 on [0000 to 2400] at 699 gpm
	Holly well #18 on [0000 to 2400] at 554 gpm
	Holly well #19 on [0000 to 2400] at 490 gpm
	Holly well #21 on [0000 to 2400] at 353 gpm
	Parkway well #22 on [0700 to 1700] at 1,122 gpm
	Parkway well #23 on [0700 to 1700] at 533 gpm
	Parkway well #26 on [0700 to 1700] at 555 gpm
	Parkway well #27 on [0700 to 1700] at 610 gpm
	Brookside well #15 on [0000 to 2100] at 695 gpm
	South Toms River well #17 on [0500 to 0700] and [1700 to 2200] at 729 gpm
Indian Head well #20 on [1000 to 2200] at 500 gpm	
Anchorage well #98 on [0000 to 1000] and [1700 to 2400] at 403 gpm	
Silver Bay well #99 on [0000 to 1000] and [1700 to 2400] at 399 gpm	
August	South Toms River elevated storage tank in service: Initial WL=19.0 feet
	Indian Hill elevated storage tank in service: Initial WL=17.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 2300] at 1,351 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0800 to 1100] at 3,109 gpm)
	Holly well #14 on [0600 to 2300] at 253 gpm
Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 2300] at 634 gpm; [2300 to 2400] at 900 gpm	

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
August—Continued	Holly well #18 on [0600 to 2300] at 625 gpm
	Holly well #19 on [0600 to 2300] at 661 gpm
	Holly well #21 on [0600 to 2300] at 78 gpm
	Parkway well #22 on [0800 to 1100] at 917 gpm
	Parkway well #23 on [0800 to 1100] at 444 gpm
	Parkway well #26 on [0800 to 1100] at 954 gpm
	Parkway well #27 on [0800 to 1100] at 794 gpm
	Brookside well #15 on [0000 to 1900] and [2200 to 2400] at 692 gpm
	South Toms River well #17 on [0600 to 0800] and [1900 to 2200] at 701 gpm
	Indian Head well #20 on [1300 to 2200] at 508 gpm
	Anchorage well #98 on [0000 to 1000] and [1800 to 2400] at 406 gpm
	Silver Bay well #99 on [0000 to 1000] and [1800 to 2400] at 405 gpm
	South Toms River elevated storage tank in service: Initial WL=15.0 feet
	Indian Hill elevated storage tank in service: Initial WL=16.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
Holly high-service pump #2 on [0600 to 1600] at 1,297 gpm)	
Parkway ground-level storage tank in service (closed in EPANET 2)	
<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>	
Parkway high-service pump #1 on [0700 to 0900] at 2,719 gpm)	
September	Holly well #14 on [0600 to 1600] at 201 gpm
	Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1600] at 467 gpm; [1600 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1600] at 703 gpm
	Holly well #19 on [0600 to 1600] at 785 gpm
	Holly well #21 on [0600 to 1600] at 41 gpm
	Parkway well #22 on [0700 to 0900] at 825 gpm
	Parkway well #23 on [0700 to 0900] at 421 gpm
	Parkway well #26 on [0700 to 0900] at 810 gpm
	Parkway well #27 on [0700 to 0900] at 664 gpm
	Brookside well #15 on [0000 to 1800] and [2200 to 2400] at 689 gpm
	South Toms River well #17 on [2000 to 2200] at 883 gpm
	Indian Head well #20 on [1200 to 2200] at 497 gpm
	Anchorage well #98 on [0600 to 2200] at 403 gpm
	Silver Bay well #99 on [0600 to 2200] at 398 gpm
	South Toms River elevated storage tank in service: Initial WL=14.0 feet
	Indian Hill elevated storage tank in service: Initial WL=16.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>	
Holly high-service pump #1 on [0000 to 2400] at 900 gpm	
Holly high-service pump #2 on [0600 to 1500] at 1,273 gpm)	
<i>(note:Parkway ground-level storage tank out of service)</i>	
<i>(note:Holly well #14 out of service)</i>	
Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1500] at 423 gpm; [1500 to 2400] at 900 gpm	
October	

Table C-3. Water-distribution system operations, Dover Township area, New Jersey, January 1971–December 1971—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
October—Continued (Average-Demand Month)	Holly well #18 on [0600 to 1500] at 898 gpm
	Holly well #19 on [0600 to 1500] at 851 gpm
	<i>(note:Holly well #21 out of service)</i>
	<i>(note:Parkway well #22 out of service)</i>
	<i>(note:Parkway well #23 out of service)</i>
	<i>(note:Parkway well #26 out of service)</i>
	<i>(note:Parkway well #27 out of service)</i>
	Brookside well #15 on [0000 to 1700] and [2200 to 2400] at 701 gpm
	South Toms River well #17 on [2000 to 2200] at 641 gpm
	Indian Head well #20 on [1800 to 2200] at 449 gpm
November	Anchorage well #98 on [0600 to 2200] at 399 gpm
	Silver Bay well #99 on [0600 to 2200] at 398 gpm
	South Toms River elevated storage tank in service: Initial WL=15.0 feet
	Indian Hill elevated storage tank in service: Initial WL=14.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [1200 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 1200] at 1,429 gpm)
	Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 1200] at 106 gpm; [1200 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1200] at 444 gpm
December	Holly well #19 on [0600 to 1200] at 878 gpm
	Brookside well #15 on [0000 to 1800] and [2200 to 2400] at 709 gpm
	South Toms River well #17 on [2100 to 2200] at 818 gpm
	Indian Head well #20 on [1300 to 2200] at 478 gpm
	Anchorage well #98 on [0600 to 1100] at 415 gpm
	Silver Bay well #99 on [0600 to 1300] at 402 gpm
	South Toms River elevated storage tank in service: Initial WL=13.0 feet
	Indian Hill elevated storage tank in service: Initial WL=15.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
Holly high-service pump #1 on [0000 to 0600] and [2200 to 2400] at 900 gpm	
Holly high-service pump #2 on [0600 to 2200] at 1,415 gpm)	
Holly well #16 on [0000 to 0600] at 900 gpm; [0600 to 2200] at 593 gpm; [2200 to 2400] at 900 gpm	
Holly well #18 on [0600 to 2200] at 308 gpm	
Holly well #19 on [0600 to 2200] at 514 gpm	
Brookside well #15 on [0000 to 1900] and [2200 to 2400] at 712 gpm	
<i>(note:South Toms River well #17 out of service)</i>	
Indian Head well #20 on [0800 to 2200] at 489 gpm	
<i>(note:Anchorage well #98 out of service)</i>	
<i>(note:Silver Bay well #99 out of service)</i>	

¹The Anchorage and Silver Bay wells were not assigned identification numbers by the water utility. For simulation and analysis purposes in this report, the two wells are assigned the following identification numbers: Anchorage well #98 and Silver Bay well #99.

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
January	South Toms River elevated storage tank in service: Initial WL=17.0 feet
	Indian Hill elevated storage tank in service: Initial WL=12.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [1900 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 1900] at 1,417 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0600 to 1300] and [1700 to 2300] at 2,837 gpm)
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [0000 to 07:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]
	Holiday City booster pump off and bypass pipe closed [12:30 to 2200]
	Holiday City booster pump off and bypass pipe open [2200 to 2400]
	Holly well #16 on [0000 to 0600 at 900 gpm, [0600 to 1900] at 521 gpm, [1900 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1900] at 896 gpm
	<i>(note:Holly well #19 out of service)</i>
	Parkway well #22 on [0600 to 1300] and [1700 to 2300] at 974 gpm
	<i>(note:Parkway well #23 out of service)</i>
	Parkway well #24 on [0600 to 1300] and [1700 to 2300] at 264 gpm
Parkway well #26 on [0600 to 1300] and [1700 to 2300] at 365 gpm	
<i>(note:Parkway well #27 out of service)</i>	
Parkway well #28 on [0600 to 1300] and [1700 to 2300] at 579 gpm	
Parkway well #29 on [0600 to 1300] and [1700 to 2300] at 656 gpm	
South Toms River well #17 on [0000 to 0400] and [2300 to 2400] at 788 gpm	
Indian Head well #20 on [0000 to 2100] and [2200 to 2400] at 491gpm	
February	South Toms River elevated storage tank in service: Initial WL=17.0 feet
	Indian Hill elevated storage tank in service: Initial WL=12.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 896 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0600 to 1400] and [1700 to 2300] at 2,963 gpm)
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [0000 to 07:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]
	Holiday City booster pump off and bypass pipe closed [12:30 to 2200]
	Holiday City booster pump off and bypass pipe open [2200 to 2400]
	Holly well #16 on [0000 to 2400] at 694 gpm
	Holly well #18 on [0000 to 2400] at 202 gpm
	Parkway well #22 on [0600 to 1400] and [1700 to 2300] at 1,009 gpm
	Parkway well #24 on [0600 to 1400] and [1700 to 2300] at 29 gpm
	Parkway well #26 on [0600 to 1400] and [1700 to 2300] at 733gpm

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
February—Continued (Minimum-Demand Month)	<p>Parkway well #28 on [0600 to 1400] and [1700 to 2300] at 540 gpm Parkway well #29 on [0600 to 1400] and [1700 to 2300] at 652 gpm South Toms River well #17 on [0000 to 0400] and [2300 to 2400] at 815 gpm Indian Head well #20 on [0000 to 2100] and [2200 to 2400] at 495 gpm</p> <p>South Toms River elevated storage tank in service: Initial WL=17.0 feet Indian Hill elevated storage tank in service: Initial WL=12.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 2400] at 832 gpm) Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0600 to 1500] and [1700 to 2300] at 2,895 gpm) Holiday City ground-level storage tank in service: Initial WL=18.0 Holiday City booster pump off and bypass pipe open [0000 to 07:30] Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]</p>
March	<p>Holiday City booster pump off and bypass pipe closed [12:30 to 2200] Holiday City booster pump off and bypass pipe open [2200 to 2400] Holly well #16 on [0000 to 2400] at 694 gpm Holly well #18 on [0000 to 2400] at 138 gpm Parkway well #22 on [0600 to 1500] and [1700 to 2300] at 861 gpm Parkway well #23 on [0600 to 1500] and [1700 to 2300] at 3 gpm Parkway well #24 on [0600 to 1500] and [1700 to 2300] at 512 gpm Parkway well #26 on [0600 to 1500] and [1700 to 2300] at 626 gpm Parkway well #27 on [0600 to 1500] and [1700 to 2300] at 330 gpm Parkway well #28 on [0600 to 1500] and [1700 to 2300] at 209 gpm Parkway well #29 on [0600 to 1500] and [1700 to 2300] at 353 gpm South Toms River well #17 on [0000 to 0500] and [2300 to 2400] at 719 gpm Indian Head well #20 on [0000 to 2100] and [2200 to 2400] at 491 gpm</p> <p>South Toms River elevated storage tank in service: Initial WL=15.0 feet Indian Hill elevated storage tank in service: Initial WL=8.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 0600] and [1900 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1900] at 1380 gpm) Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i></p>
April	<p>Parkway high-service pump #1 on [0700 to 1900] at 3004 gpm) Holiday City ground-level storage tank in service: Initial WL=18.0 Holiday City booster pump off and bypass pipe open [0000 to 07:30] Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30] Holiday City booster pump off and bypass pipe closed [12:30 to 2200] Holiday City booster pump off and bypass pipe open [2200 to 2400] Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1900] at 521 gpm, [1900 to 2400] at 900 gpm Holly well #18 on [0600 to 1900] at 474 gpm</p>

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
April—Continued	Holly well #19 on [0600 to 1900] at 386 gpm
	Parkway well #22 on [0700 to 1900] at 606 gpm <i>(note: Parkway well #23 out of service)</i>
	Parkway well #24 on [0700 to 1900] at 529 gpm
	Parkway well #26 on [0700 to 1900] at 431 gpm
	Parkway well #27 on [0700 to 1900] at 460 gpm
	Parkway well #28 on [0700 to 1900] at 515 gpm
	Parkway well #29 on [0700 to 1900] at 463 gpm
	Brookside well #15 on [0000 to 0800] and [2200 to 2400] at 713 gpm
	South Toms River well #17 on [0000 to 0400] and [2200 to 2400] at 732 gpm
	Indian Head well #20 on [0000 to 1300] and [2200 to 2400] at 500 gpm
	South Toms River elevated storage tank in service: Initial WL=16.0 feet
	Indian Hill elevated storage tank in service: Initial WL=9.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note: Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [1700 to 2400] at 900 gpm
Holly high-service pump #2 on [0600 to 1700] at 1379 gpm	
Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>	
Parkway high-service pump #1 on [0600 to 1900] at 2978 gpm	
Holiday City ground-level storage tank in service: Initial WL=19.0	
Holiday City booster pump off and bypass pipe open [0000 to 06:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:40]	
Holiday City booster pump off and bypass pipe open [11:40 to 16:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]	
Holiday City booster pump off and bypass pipe open [20:30 to 2400]	
May	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1700] at 452 gpm, [1700 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1700] at 765 gpm
	Holly well #19 on [0600 to 1700] at 162 gpm
	Parkway well #22 on [0600 to 1900] at 542 gpm
	Parkway well #23 on [0600 to 1900] at 150 gpm
	Parkway well #24 on [0600 to 1900] at 394 gpm
	Parkway well #25 on [0600 to 1900] at 113 gpm
	Parkway well #26 on [0600 to 1900] at 439 gpm
	Parkway well #27 on [0600 to 1900] at 438 gpm
	Parkway well #28 on [0600 to 1900] at 443 gpm
	Parkway well #29 on [0600 to 1900] at 459 gpm
	Brookside well #15 on [0000 to 1200] and [2200 to 2400] at 706 gpm
	South Toms River well #17 on [0000 to 0500] and [2200 to 2400] at 737 gpm
	Indian Head well #20 on [0000 to 2400] at 505 gpm
Anchorage well #98 on [0000 to 0600] and [2200 to 2400] at 384 gpm	
Silver Bay well #99 on [0000 to 0600] and [2200 to 2400] at 390 gpm	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
June (Maximum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=16.0 feet
	Indian Hill elevated storage tank in service: Initial WL=9.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 1700] at 1,267 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0400 to 0800] and [1100 to 1700] at 2,884 gpm
	Parkway high-service pump #2 on [0800 to 1100] at 3985 gpm, [1700 to 2100] at 3,957 gpm)
	Holiday City ground-level storage tank in service: Initial WL=19.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:40]
	Holiday City booster pump off and bypass pipe open [11:40 to 16:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]
	Holiday City booster pump off and bypass pipe open [20:30 to 2400]
	St. Catherine’s (Rt. 37) ground-level storage tank in service: Initial WL=35.0
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [0000 to 0900]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [0900 to 12:30]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe closed [12:30 to 17:30]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [17:30 to 21:15]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [21:15 to 2400]
	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1700] at 452 gpm, [1700 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1700] at 1104 gpm
	Holly well #19 on [0600 to 1700] at 496 gpm
	Holly well #21 on [0600 to 1700] at 116 gpm
	Parkway well #22 on [0400 to 0800] and [1100 to 1700] at 469 gpm, [0800 to 1100] and [1700 to 2100] at 669 gpm
	Parkway well #23 on [0400 to 0800], [1100 to 1700] at 618 gpm
	Parkway well #24 on [0400 to 0800] and [1100 to 1700] at 491 gpm, [0800 to 1100] at 613 gpm
	Parkway well #25 on [0400 to 0800] and [1100 to 1700] at 106 gpm, [0800 to 1100] and [1700 to 2100] at 530 gpm
	Parkway well #26 on [0400 to 0800] and [1100 to 1700] at 149 gpm, [0800 to 1100] and [1700 to 2100] at 745 gpm
	Parkway well #27 on [0400 to 0800] and [1100 to 1700] at 410 gpm, [1700 to 2100] at 585 gpm
	Parkway well #28 on [0400 to 0800] and [1100 to 1700] at 354 gpm, [0800 to 1100] and [1700 to 2100] at 708 gpm
	Parkway well #29 on [0400 to 0800] and [1100 to 1700] at 288 gpm, [0800 to 1100] and [1700 to 2100] at 720 gpm
Brookside well #15 on [0000 to 1600] and [2200 to 2400] at 708 gpm	
South Toms River well #17 on [0000 to 0600] and [2300 to 2400] at 774 gpm	
Indian Head well #20 on [0000 to 2400] at 489 gpm	
Anchorage well #98 on [0000 to 1100] and [1800 to 2400] at 394 gpm	
Silver Bay well #99 on [0000 to 1000] and [1800 to 2400] at 409 gpm	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
July	South Toms River elevated storage tank in service: Initial WL=16.0 feet
	Indian Hill elevated storage tank in service: Initial WL=10.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [00:00 to 24:00] at 900 gpm
	Holly high-service pump #2 on [06:00 to 18:00] at 1,274 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [02:00 to 08:00] and [11:00 to 17:00] at 2,986 gpm
	Parkway high-service pump #2 on [08:00 to 11:00] and [17:00 to 21:00] at 4,000 gpm)
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [00:00 to 06:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:40]
	Holiday City booster pump off and bypass pipe open [11:40 to 16:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]
	Holiday City booster pump off and bypass pipe open [20:30 to 24:00]
	St. Catherine’s (Rt. 37) ground-level storage tank in service: Initial WL=35.0
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [00:00 to 09:00]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [09:00 to 12:30]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe closed [12:30 to 17:30]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [17:30 to 21:15]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [21:15 to 24:00]
	Holly well #16 on [00:00 to 06:00] at 900 gpm, [06:00 to 18:00] at 489 gpm, [18:00 to 24:00] at 900 gpm
	Holly well #18 on [06:00 to 18:00] at 998 gpm
	Holly well #19 on [06:00 to 18:00] at 570 gpm
	Holly well #21 on [06:00 to 18:00] at 118 gpm
	Parkway well #22 on [02:00 to 08:00] and [11:00 to 17:00] at 428 gpm [08:00 to 11:00] and [17:00 to 21:00] at 641 gpm
	Parkway well #23 on [02:00 to 08:00] and [11:00 to 17:00] at 324 gpm, [08:00 to 11:00] and [17:00 to 21:00] at 354 gpm
	Parkway well #24 on [02:00 to 08:00] and [11:00 to 17:00] at 560 gpm, [08:00 to 11:00] at 611 gpm
	Parkway well #25 on [02:00 to 08:00] and [11:00 to 17:00] at 253 gpm, [08:00 to 11:00] and [17:00 to 21:00] at 505 gpm
	Parkway well #26 on [02:00 to 08:00] and [11:00 to 17:00] at 320 gpm, [08:00 to 11:00] and [17:00 to 21:00] at 512 gpm
	Parkway well #27 on [02:00 to 08:00] and [11:00 to 17:00] at 356 gpm, [17:00 to 21:00] at 609 gpm
Parkway well #28 on [02:00 to 08:00] and [11:00 to 17:00] at 398 gpm, [08:00 to 11:00] and [17:00 to 21:00] at 682 gpm	
Parkway well #29 on [02:00 to 08:00] and [11:00 to 17:00] at 348 gpm, [08:00 to 11:00] and [17:00 to 21:00] at 696 gpm	
Brookside well #15 on [00:00 to 19:00] and [22:00 to 24:00] at 685 gpm	
South Toms River well #17 on [00:00 to 07:00] and [23:00 to 24:00] at 788 gpm	
Indian Head well #20 on [00:00 to 24:00] at 490 gpm	
Anchorage well #98 on [00:00 to 12:00] and [18:00 to 24:00] at 389 gpm	
Silver Bay well #99 on [00:00 to 11:00] and [18:00 to 24:00] at 401 gpm	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
August	<p>South Toms River elevated storage tank in service: Initial WL=17.0 feet Indian Hill elevated storage tank in service: Initial WL=12.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1300] at 1,187 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 2000] at 2,967 gpm Holiday City ground-level storage tank in service: Initial WL=19.0 Holiday City booster pump off and bypass pipe open [0000 to 06:30] Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:40] Holiday City booster pump off and bypass pipe open [11:40 to 16:30] Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30] Holiday City booster pump off and bypass pipe open [20:30 to 2400] St. Catherine’s (Rt. 37) ground-level storage tank in service: Initial WL=35.0 St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [0000 to 0900] St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [0900 to 12:30] St. Catherine’s (Rt. 37) booster pump off and bypass pipe closed [12:30 to 17:30] St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [17:30 to 21:15] St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [21:15 to 2400] Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1300] at 195 gpm, [1300 to 2400] at 900 gpm Holly well #18 on [0600 to 1300] at 1,608 gpm Holly well #19 on [0600 to 1300] at 283 gpm <i>(note:Holly well #21 out of service)</i> Parkway well #22 on [0500 to 2000] at 366 gpm Parkway well #23 on [0500 to 2000] at 308 gpm Parkway well #24 on [0500 to 2000] at 409 gpm Parkway well #25 on [0500 to 2000] at 346 gpm Parkway well #26 on [0500 to 2000] at 333 gpm Parkway well #27 on [0500 to 2000] at 319 gpm Parkway well #28 on [0500 to 2000] at 459 gpm Parkway well #29 on [0500 to 2000] at 427 gpm Brookside well #15 on [0000 to 1900] and [2200 to 2400] at 685 gpm South Toms River well #17 on [0000 to 0500] and [2300 to 2400] at 690 gpm Indian Head well #20 on [0000 to 2400] at 503 gpm Anchorage well #98 on [0000 to 1000] and [1800 to 2400] at 410 gpm Silver Bay well #99 on [0000 to 1000] and [1800 to 2400] at 406 gpm</p>
September	<p>South Toms River elevated storage tank in service: Initial WL=16.0 feet Indian Hill elevated storage tank in service: Initial WL=10.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0000 to 2400] at 900 gpm Holly high-service pump #2 on [0600 to 1300] at 1,174 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i></p>

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
September—Continued	Parkway high-service pump #1 on [0500 to 1900] at 2,883 gpm)
	Holiday City ground-level storage tank in service: Initial WL=19.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:40]
	Holiday City booster pump off and bypass pipe open [11:40 to 16:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]
	Holiday City booster pump off and bypass pipe open [20:30 to 2400]
	St. Catherine’s (Rt. 37) ground-level storage tank in service: Initial WL=35.0
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [0000 to 0900]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [0900 to 12:30]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe closed [12:30 to 17:30]
	St. Catherine’s (Rt. 37) booster pump on and bypass pipe closed [17:30 to 21:15]
	St. Catherine’s (Rt. 37) booster pump off and bypass pipe open [21:15 to 2400]
	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1400] at 283 gpm, [1400 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1400] at 1,705 gpm
	Holly well #19 on [0600 to 1400] at 86 gpm
	<i>(note: Parkway well #22 out of service)</i>
	Parkway well #23 on [0500 to 1900] at 225 gpm
	Parkway well #24 on [0500 to 1900] at 596 gpm
	Parkway well #25 on [0500 to 1900] at 243 gpm
	Parkway well #26 on [0500 to 1900] at 466 gpm
	Parkway well #27 on [0500 to 1900] at 235 gpm
	Parkway well #28 on [0500 to 1900] at 524 gpm
	Parkway well #29 on [0500 to 1900] at 594 gpm
	Brookside well #15 on [0000 to 1800] and [2200 to 2400] at 696 gpm
	South Toms River well #17 on [0000 to 0400] and [2300 to 2400] at 810 gpm
	Indian Head well #20 on [0000 to 2400] at 492 gpm
Anchorage well #98 on [0000 to 0700] and [2000 to 2400] at 389 gpm	
Silver Bay well #99 on [0000 to 0700] and [2000 to 2400] at 387 gpm	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
October	South Toms River elevated storage tank in service: Initial WL=18.0 feet
	Indian Hill elevated storage tank in service: Initial WL=15.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [2200 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 2200] at 1,478 gpm
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0600 to 1300] and [1800 to 2300] at 2,953 gpm
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [0000 to 07:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]
	Holiday City booster pump off and bypass pipe closed [12:30 to 2200]
	Holiday City booster pump off and bypass pipe open [2200 to 2400]
	<i>(note:St. Catherine's (Rt. 37) ground-level storage tank out of service)</i>
	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 2200] at 592 gpm, [2200 to 2400] at 900 gpm
	Holly well #18 on [0600 to 2200] at 820 gpm
	Holly well #19 on [0600 to 2200] at 67 gpm
	<i>(note:Parkway well #23 out of service)</i>
	Parkway well #24 on [0600 to 1300] and [1800 to 2300] at 793 gpm
	<i>(note:Parkway well #25 out of service)</i>
	Parkway well #26 on [0600 to 1300] and [1800 to 2300] at 607 gpm
	<i>(note:Parkway well #27 out of service)</i>
	Parkway well #28 on [0600 to 1300] and [1800 to 2300] at 788 gpm
	Parkway well #29 on [0600 to 1300] and [1800 to 2300] at 765 gpm
	Brookside well #15 on [0000 to 1900] and [2200 to 2400] at 698 gpm
South Toms River well #17 on [0000 to 0500] and [2300 to 2400] at 714 gpm	
Indian Head well #20 on [0000 to 2400] at 487 gpm	
<i>(note:Anchorage well #98 out of service)</i>	
<i>(note:Silver Bay well #99 out of service)</i>	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
November	South Toms River elevated storage tank in service: Initial WL=15.0 feet
	Indian Hill elevated storage tank in service: Initial WL=13.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [2200 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 2200] at 1,416 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0600 to 1300] and [1600 to 2300] at 2,905 gpm)
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [0000 to 07:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]
	Holiday City booster pump off and bypass pipe closed [12:30 to 2200]
	Holiday City booster pump off and bypass pipe open [2200 to 2400]
	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 2200] at 587 gpm, [2200 to 2400] at 900 gpm
	Holly well #18 on [0600 to 2200] at 812 gpm
	Holly well #19 on [0600 to 2200] at 17 gpm
	Parkway well #22 on [0600 to 1300] and [1600 to 2300] at 360 gpm
	Parkway well #24 on [0600 to 1300] and [1600 to 2300] at 641 gpm
	Parkway well #26 on [0600 to 1300] and [1600 to 2300] at 550 gpm
Parkway well #28 on [0600 to 1300] and [1600 to 2300] at 684 gpm	
Parkway well #29 on [0600 to 1300] and [1600 to 2300] at 671 gpm	
Brookside well #15 on [0000 to 0600] at 670 gpm	
South Toms River well #17 on [0000 to 0200] at 871 gpm	
Indian Head well #20 on [0000 to 1900] and [2200 to 2400] at 504 gpm	
December	South Toms River elevated storage tank in service: Initial WL=19.0 feet
	Indian Hill elevated storage tank in service: Initial WL=14.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 0600] and [1000 to 2400] at 900 gpm
	Holly high-service pump #2 on [0600 to 1000] at 1,390 gpm)
Parkway ground-level storage tank in service (closed in EPANET 2)	

Table C-4. Water-distribution system operations, Dover Township area, New Jersey, January 1978–December 1978—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations ¹
December—Continued	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0500 to 2200] at 2,951 gpm)
	Holiday City ground-level storage tank in service: Initial WL=18.0
	Holiday City booster pump off and bypass pipe open [0000 to 07:30]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [07:30 to 12:30]
	Holiday City booster pump off and bypass pipe closed [12:30 to 2200]
	Holiday City booster pump off and bypass pipe open [2200 to 2400]
	Holly well #16 on [0000 to 0600] at 900 gpm, [0600 to 1000] at 117 gpm, [1200 to 2400] at 900 gpm
	Holly well #18 on [0600 to 1000] at 1,263 gpm, [1000 to 1200] at 900 gpm
	Holly well #19 on [0600 to 1000] at 10 gpm
	Parkway well #22 on [0500 to 2200] at 304 gpm
	Parkway well #24 on [0500 to 2200] at 721 gpm
	Parkway well #26 on [0500 to 2200] at 431 gpm
	Parkway well #28 on [0500 to 2200] at 762 gpm
	Parkway well #29 on [0500 to 2200] at 733 gpm
	<i>(note:Brookside well #15 out of service)</i>
South Toms River well #17 on [0000 to 0500] at 809 gpm	
<i>(note:Indian Head well #20 out of service)</i>	

¹The Anchorage and Silver Bay wells were not assigned identification numbers by the water utility. For simulation and analysis purposes in this report, the two wells are assigned the following identification numbers: Anchorage well #98 and Silver Bay well #99.

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
January	South Toms River elevated storage tank in service: Initial WL=8.0 feet
	South Toms River booster pump #1 and #2 off and bypass pipe open [0000 to 0700]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0700 to 0900]
	South Toms River booster pump #1 and #2 off and bypass pipe open [0900 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 1900]
	South Toms River booster pump #1 and #2 off and bypass pipe open [1900 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=10.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0800 to 1300] at 893 gpm
	Holly high-service pump #2 on [0000 to 0800] and [1300 to 2400] at 1394 gpm
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0800 to 1200] and [1600 to 2000] at 3,005 gpm
	Holiday City ground-level storage tank in service: Initial WL=24.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:45]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30]
	Holiday City booster pump off and bypass pipe open [12:30 to 2400]
	Holly well #21 on [0800 to 1300] at 425 gpm
	Holly well #30 on [0800 to 1300] at 468 gpm, [0000 to 0800] and [1300 to 2400] at 1,394 gpm
	Parkway well #22 on [0800 to 1200] and [1600 to 2000] at 680 gpm
	Parkway well #23 on [0800 to 1200] and [1600 to 2000] at 317 gpm
	Parkway well #24 on [0800 to 1200] and [1600 to 2000] at 1,506 gpm
Parkway well #29 on [0800 to 1200] and [1600 to 2000] at 502 gpm	
Brookside well #15 on [0000 to 0200] and [0600 to 2400] at 701 gpm	
<i>(note:Indian Head well #20 out of service)</i>	
Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 702 gpm	
South Toms River well #32 on [1200 to 1900] at 713 gpm	
Berkeley well #33 on [0000 to 2400] at 1,169 gpm	
Berkeley well #34 on [0900 to 1700] at 994 gpm	
February (Minimum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=6.0 feet
	South Toms River booster pump #1 and #2 off and bypass pipe open [0000 to 0700]
	South Toms River booster pump #1 on, Booster Pump #2, bypass pipe closed [0700 to 0900]
	South Toms River booster pump #1 and #2 off, bypass pipe open [0900 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 2000]
	South Toms River booster pump #1 and #2 off, bypass pipe open [2000 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=6.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0800 to 1200] at 900 gpm
	Holly high-service pump #2 on [0800 to 1200] at 1,306 gpm,[0000 to 0800] and [1200 to 2400] at 1,406 gpm
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0800 to 1100] and [1600 to 2000] at 2,897 gpm
	Holiday City ground-level storage tank in service: Initial WL=24.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:45]
Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30]	
Holiday City booster pump off and bypass pipe open [12:30 to 2400]	
<i>(note:Holly well #21 out of service)</i>	
Holly well #30 on [0800 to 1200] at 2206 gpm, [0000 to 0800] and [1200 to 2400] at 1,406 gpm	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
February—Continued (Minimum-Demand Month)	Parkway well #22 on [0800 to 1100] and [1600 to 2000] at 1,080 gpm <i>(note: Parkway well #23 out of service)</i>
	Parkway well #24 on [0800 to 1100] and [1600 to 2000] at 1,817 gpm <i>(note: Parkway well #29 out of service)</i>
	Brookside well #15 on [0000 to 0300] at 597 gpm
	Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 705 gpm
	South Toms River well #32 on [1100 to 2000] at 677 gpm
	Berkeley well #33 on [0000 to 2400] at 1,167 gpm
	Berkeley well #34 on [0800 to 2000] at 1,003 gpm
March	South Toms River elevated storage tank in service: Initial WL=6.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 0700]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0700 to 0900]
	South Toms River booster pump #1 and #2 off, bypass pipe open [0900 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 2000]
	South Toms River booster pump #1 and #2 off, bypass pipe open [2000 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=6.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note: Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 951 gpm
	Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0800 to 1200] and [1600 to 2000] at 2,892 gpm)
	Holiday City ground-level storage tank in service: Initial WL=24.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:45]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30]
Holiday City booster pump off and bypass pipe open [12:30 to 2400]	
Holly well #30 on [0000 to 2400] at 951 gpm	
Parkway well #22 on [0800 to 1200] and [1600 to 2000] at 1,293 gpm	
Parkway well #24 on [0800 to 1200] and [1600 to 2000] at 1,599 gpm	
Brookside well #15 on [0000 to 1000] and [2000 to 2400] at 708 gpm	
Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 696 gpm	
South Toms River well #32 on [1000 to 2000] at 670 gpm	
Berkeley well #33 on [0000 to 2400] at 1,168 gpm	
Berkeley well #34 on [0500 to 2200] at 1,005 gpm	
April	South Toms River elevated storage tank in service: Initial WL=14.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 0700]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0700 to 0900]
	South Toms River booster pump #1 and #2 off, bypass pipe open [0900 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 1800]
	South Toms River booster pump #1 and #2 off, bypass pipe open [1800 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=16.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note: Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0800 to 2200] at 915 gpm
	Holly high-service pump #2 on [0000 to 800] and [2200 to 2400] at 1,400 gpm)
Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>	
Parkway high-service pump #1 on [0800 to 1200] and [1500 to 2000] at 3,085 gpm)	
Holiday City ground-level storage tank in service: Initial WL=24.0	
Holiday City booster pump off and bypass pipe open [0000 to 06:45]	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
April—Continued	<p>Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30] Holiday City booster pump off and bypass pipe open [12:30 to 2400] Holly well #30 on [0800 to 2200] at 915 gpm, [0000 to 800] and [2200 to 2400] at 1,400 gpm Parkway well #22 on [0800 to 1200] and [1500 to 2000] at 1,573 gpm Parkway well #24 on [0800 to 1200] and [1500 to 2000] at 1,511 gpm Brookside well #15 on [0000 to 1500] and [2000 to 2400] at 698 gpm Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 693 gpm South Toms River well #32 on [1000 to 1800] at 681 gpm Berkeley well #33 on [0000 to 2400] at 1,126 gpm Berkeley well #34 on [0600 to 2200] at 1,021 gpm</p>
May	<p>South Toms River elevated storage tank in service: Initial WL=20.0 feet South Toms River booster pump #1 and #2 off, bypass pipe open [00:00 to 07:00] South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [07:00 to 09:00] South Toms River booster pump #1 and #2 off, bypass pipe open [09:00 to 14:00] South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [14:00 to 18:00] South Toms River booster pump #1 and #2 off, bypass pipe open [18:00 to 24:00] Indian Hill elevated storage tank in service: Initial WL=22.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #2 on [0000 to 2400] at 1,352 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0700 to 1200] and [1500 to 2100] at 3,088 gpm Holiday City ground-level storage tank in service: Initial WL=24.0 Holiday City booster pump off and bypass pipe open [0000 to 06:45] Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30] Holiday City booster pump off and bypass pipe open [12:30 to 2400] Holly well #21 on [0000 to 2400] at 34 gpm Holly well #30 on [0000 to 2400] at 1,318 gpm Parkway well #22 on [0700 to 1200] and [1500 to 2100] at 1,247 gpm Parkway well #23 on [0700 to 1200] and [1500 to 2100] at 273 gpm Parkway well #24 on [0700 to 1200] and [1500 to 2100] at 1,120 gpm Parkway well #28 on [0700 to 1200] and [1500 to 2100] at 310 gpm Parkway well #28 on [0700 to 1200] and [1500 to 2100] at 138 gpm Brookside well #15 on [0000 to 1300] and [2000 to 2400] at 714 gpm Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 698 gpm South Toms River well #32 on [0900 to 1800] at 691 gpm Berkeley well #33 on [0000 to 2400] at 1,158 gpm Berkeley well #34 on [0500 to 2200] at 1,011 gpm</p>
June	<p>South Toms River elevated storage tank in service: Initial WL=17.0 feet South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 0700] South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0700 to 1400] South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 1600] South Toms River booster pump #1 and #2 off, bypass pipe open [1600 to 2000] South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [2000 to 21:30] South Toms River booster pump #1 and #2 off, bypass pipe open [21:30 to 2400] Indian Hill elevated storage tank in service: Initial WL=12.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 0900], [1200 to 1800], [2100 to 2200] at 900 gpm</p>

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
June—Continued	Windsor ground-level storage tank in service: Initial WL=24.0
	Windsor high-service pump #1 and #2 off, bypass pipe open [0000 to 08:30]
	Windsor high-service pump #1 on, Booster Pump #2 off, bypass pipe closed [08:30 to 1500]
	Windsor high-service pump #1 and #2 off, bypass pipe open [1500 to 2400]
	Holly well #21 on [0000 to 0600] and [2200 to 2400] at 1,160 gpm
	Holly well #30 on [0000 to 0600] and [2200 to 2400] at 236 gpm, [0600 to 0900], [1200 to 1800] and [2100 to 2200] at 2,194 gpm, [0900 to 1200] and [1800 to 2100] at 2,794 gpm
	Parkway well #22 on [0500 to 0700], [0700 to 1000] at 4000 gpm, [1200 to 1700] at 263 gpm
	Parkway well #23 on [0500 to 0700] and [1200 to 1700] at 985 gpm
	Parkway well #24 on [0500 to 0700] and [1200 to 1700] at 173 gpm, 1000 to 1200] and [1700 to 1800] at 4,000 gpm
	Parkway well #28 on [0500 to 0700] and [1200 to 1700] at 174 gpm, 1800 to 2100] at 4,000 gpm
	Parkway well #29 on [0500 to 0700] and [1200 to 1700] at 1,489 gpm
	Brookside well #15 on [0000 to 0900] and [1500 to 2400] at 715 gpm
	Indian Head #20 on [0000 to 0800] at 515 gpm
	Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 695 gpm
	South Toms River well #32 on [0400 to 2200] at 703 gpm
Berkeley well #33 on [0000 to 2400] at 1,154 gpm	
Berkeley well #34 on [0000 to 2400] at 1,106 gpm	
July (Maximum-Demand Month)	South Toms River elevated storage tank in service: Initial WL=20.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 0400]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0400 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 1900]
	South Toms River booster pump #1 and #2 off, bypass pipe open [1900 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=13.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0500 to 0800] and [1300 to 1700] at 900 gpm
	Holly high-service pump #2 on [0500 to 0800] and [1300 to 1700] at 1,300 gpm, [0000 to 0500] and [2200 to 2400] at 1,628 gpm
	Holly high-service pump #3 on [0800 to 1300] and [1700 to 2200] at 3,000 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0400 to 0700] and [1200 to 1700] at 2,936 gpm
	Parkway high-service pump #2 on [0700 to 1200] and [1700 to 2100] at 4,000 gpm)
Holiday City ground-level storage tank in service: Initial WL=20.0	
Holiday City booster pump off and bypass pipe open [0000 to 06:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:30]	
Holiday City booster pump off and bypass pipe open [11:30 to 16:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]	
Holiday City booster pump off and bypass pipe open [20:30 to 2400]	
St. Catherine's (Rt. 37) ground-level storage tank in service: Initial WL=40.0	
St. Catherine's (Rt. 37) booster pump off and bypass pipe open [0000 to 09:30]	
St. Catherine's (Rt. 37) booster pump on and bypass pipe closed [09:30 to 14:45]	
St. Catherine's (Rt. 37) booster pump off and bypass pipe closed [14:45 to 2000]	
St. Catherine's (Rt. 37) booster pump off and bypass pipe open [2000 to 2400]	
Windsor ground-level storage tank in service: Initial WL=24.0	
Windsor high-service pump #1 and #2 off, bypass pipe open [0000 to 08:30]	
Windsor high-service pump #1 on, Booster Pump #2 off, bypass pipe closed [08:30 to 1400]	
Windsor high-service pump #1 and #2 off, bypass pipe open [1400 to 2400]	
Holly well #21 on [0000 to 0500] and [0500 to 0600] at 2,200 gpm, [2200 to 2400] at 1,431 gpm	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
July—Continued (Maximum-Demand Month)	Holly well #30 on [0000 to 0500] and [2200 to 2400] at 197 gpm, [0600 to 0800] and [1300 to 1700] at 2200 gpm, [0800 to 1300] and [1700 to 2200] at 3,000 gpm
	Parkway well #22 on [0400 to 0700] at 457 gpm, [0700 to 0900] at 4000 gpm, [1200 to 1700] at 457 gpm
	Parkway well #23 on [0400 to 0700] and [1200 to 1700] at 738 gpm
	Parkway well #24 on [0400 to 0700] at 372 gpm, [0900 to 1100] at 4000 gpm, [1200 to 1700] at 372 gpm
	Parkway well #26 on [0400 to 0700] and [1200 to 1700] at 242 gpm, [1100 to 1200] and [1700 to 1800] at 4,000 gpm
	Parkway well #28 on [0400 to 0700] and [1200 to 1700] at 431 gpm, [1800 to 2000] at 4,000 gpm
	Parkway well #29 on [0400 to 0700] and [1200 to 1700] at 696 gpm, [2000 to 2100] at 4,000 gpm
	Brookside well #15 on [0000 to 0900] and [1600 to 2400] at 707 gpm
	Indian Head #20 on [0000 to 1800] and [2200 to 2400] at 488 gpm
	Route 70, well #31 on [0000 to 2000] and [2200 to 2400] at 686 gpm
	South Toms River well #32 on [0500 to 2200] at 706 gpm
	South Toms River well #38 on [0400 to 1200] at 665 gpm
	Berkeley well #33 on [0000 to 2400] at 1,134 gpm
	Berkeley well #34 on [0000 to 2100] and [2200 to 2400] at 998 gpm
	Berkeley well #35 on [0500 to 2200] at 708 gpm
August	South Toms River elevated storage tank in service: Initial WL=10.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 0500]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [0500 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 1600]
	South Toms River booster pump #1 and #2 off, bypass pipe open [1600 to 1900]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1900 to 21:30]
	South Toms River booster pump #1 and #2 off, bypass pipe open [21:30 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=11.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0600 to 0800], [1200 to 1700], [2100 to 2200] at 900 gpm
	Holly high-service pump #2 on [0600 to 0800], [1200 to 1700], [2100 to 2200] at 1,300 gpm, [0000 to 0600] and [2200 to 2400] at 1,400 gpm
	Holly high-service pump #3 on [0800 to 1200] and [1700 to 2100] at 2,852 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
Parkway high-service pump #1 on [0400 to 0800] and [1200 to 1800] at 2,887 gpm	
Parkway high-service pump #2 on [0800 to 1200] and [1800 to 2100] at 4,000 gpm)	
Holiday City ground-level storage tank in service: Initial WL=21.0	
Holiday City booster pump off and bypass pipe open [0000 to 06:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:30 to 11:30]	
Holiday City booster pump off and bypass pipe open [11:30 to 16:30]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [16:30 to 20:30]	
Holiday City booster pump off and bypass pipe open [20:30 to 2400]	
St. Catherine's (Rt. 37) ground-level storage tank in service: Initial WL=40.0	
St. Catherine's (Rt. 37) booster pump off and bypass pipe open [0000 to 09:30]	
St. Catherine's (Rt. 37) booster pump on and bypass pipe closed [09:30 to 14:45]	
St. Catherine's (Rt. 37) booster pump off and bypass pipe closed [14:45 to 2000]	
St. Catherine's (Rt. 37) booster pump off and bypass pipe open [2000 to 2400]	
Windsor ground-level storage tank in service: Initial WL=24.0	
Windsor high-service pump #1 and #2 off, bypass pipe open [0000 to 08:30]	
Windsor high-service pump #1 on, Booster Pump #2 off, bypass pipe closed [08:30 to 1500]	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
August—Continued	Windsor high-service pump #1 and #2 off, bypass pipe open [1500 to 2400]
	Holly well #21 on [0800 to 1200] and [1700 to 2100] at 959 gpm
	Holly well #30 on [0000 to 0600] and [2200 to 2400] at 1,400 gpm, [0800 to 1200] at 1,893 gpm, [1700 to 2100] at 1,893 gpm, [0600 to 0800], [1200 to 1700], [2100 to 2200] at 2,200 gpm
	Parkway well #22 on [0400 to 0800] at 726 gpm, [0800 to 0900] at 4,000 gpm, [1200 to 1800] at 726 gpm
	Parkway well #23 on [0400 to 0800] and [1200 to 1800] at 565 gpm
	Parkway well #24 on [0400 to 0800] at 211 gpm, [0900 to 1100] at 4,000 gpm, [1200 to 1800] at 211 gpm
	Parkway well #26 on [0400 to 0800] at 576 gpm, [1100 to 1200] at 4,000 gpm, [1200 to 1800] at 576 gpm
	Parkway well #28 on [0400 to 0800] and [1200 to 1800] at 288 gpm, [1800 to 2000] at 4,000 gpm
	Parkway well #29 on [0400 to 0800] and [1200 to 1800] at 521 gpm, [2000 to 2100] at 4,000 gpm
	Brookside well #15 on [0000 to 0800] and [1500 to 2400] at 716 gpm
	Indian Head #20 on [0000 to 0800] and [1100 to 2400] at 596 gpm
	Route 70, well #31 on [0000 to 2000] and [2200 to 2400] at 699 gpm
	South Toms River well #32 on [0500 to 1900] at 674 gpm
	South Toms River well #38 on [0500 to 1100] at 674 gpm
	Berkeley well #33 on [0000 to 2000] and [2200 to 2400] at 988 gpm
	Berkeley well #34 on [0000 to 1100] and [1700 to 2400] at 983 gpm
Berkeley well #35 on [0600 to 1900] at 720 gpm	
September	South Toms River elevated storage tank in service: Initial WL=12.0 feet
	South Toms River booster pump #1 and #2, bypass pipe open [0000 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 2000]
	South Toms River booster pump #1 and #2 off, bypass pipe open [2000 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=17.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows</i>
	Holly high-service pump #1 on [0400 to 2300] at 909 gpm
	Holly high-service pump #2 on [0000 to 0400] and [2300 to 2400] at 1,400 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows</i>
	Parkway high-service pump #1 on [0400 to 0800] and [1200 to 1700] at 2,910 gpm
	Parkway high-service pump #2 on [0800 to 1200] and [1700 to 2100] at 4,000 gpm)
	Holiday City ground-level storage tank in service: Initial WL=24.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:45]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30]
Holiday City booster pump off and bypass pipe open [12:30 to 2400]	
<i>(note:St. Catherine's (Rt. 37) ground-level storage tank out of service)</i>	
<i>(note:Windsor ground-level storage tank out of service)</i>	
<i>(note:Holly well #21 out of service)</i>	
Holly well #30 on [0000 to 0400] at 1,400 gpm, [0400 to 2300] at 909 gpm, [2300 to 2400] at 1,400 gpm	
Parkway well #22 on [0400 to 0800] at 272 gpm, [0800 to 1000] at 4,000 gpm, [1200 to 1700] at 272 gpm	
Parkway well #23 on [0400 to 0800] and [1200 to 1700] at 603 gpm	
Parkway well #24 on [0400 to 0800] at 199 gpm, [1000 to 1200] at 4,000 gpm, [1200 to 1700] at 199 gpm	
Parkway well #26 on [0400 to 0800] and [1200 to 1700] at 155 gpm, [1700 to 1900] at 4,000 gpm	
Parkway well #28 on [0400 to 0800] and [1200 to 1700] at 255 gpm, [1900 to 2100] at 4,000 gpm	
Parkway well #29 on [0400 to 0800] and [1200 to 1700] at 1,426 gpm	
Brookside well #15 on [0000 to 0700] and [2200 to 2400] at 694 gpm	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
September—Continued	Indian Head #20 on [0000 to 1900] and [2200 to 2400] at 495 gpm
	Route 70, well #31 on [0000 to 1900] and [2200 to 2400] at 703 gpm
	South Toms River well #32 on [1200 to 2000] at 710 gpm
	South Toms River well #38 on [0600 to 0700] at 60 gpm
	Berkeley well #33 on [0000 to 2000] and [2200 to 2400] at 1,010 gpm
	Berkeley well #34 on [0500 to 2200] at 989 gpm
October (Average-Demand Month)	Berkeley well #35 on [0700 to 2100] at 694 gpm
	South Toms River elevated storage tank in service: Initial WL=8.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 1400]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [1400 to 2000]
	South Toms River booster pump #1 and #2 off, bypass pipe open [2000 to 2400]
	Indian Hill elevated storage tank in service: Initial WL=11.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 936 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0400 to 0700] and [1200 to 1700] at 2,925 gpm
	Parkway high-service pump #2 on [0700 to 1200] and [1700 to 2100] at 4,000 gpm)
	Holiday City ground-level storage tank in service: Initial WL=24.0
	Holiday City booster pump off and bypass pipe open [0000 to 06:45]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30]
	Holiday City booster pump off and bypass pipe open [12:30 to 2400]
	Holly well #30 on [0000 to 2400] at 936 gpm
	Parkway well #22 on [0400 to 0700] at 452 gpm, [0700 to 0900] at 4,000 gpm, [1200 to 1700] at 452 gpm
	Parkway well #23 on [0400 to 0700] and [1200 to 1700] at 766 gpm
Parkway well #24 on [0400 to 0700] at 339 gpm, [0900 to 1100] at 4,000 gpm, [1200 to 1700] at 339 gpm	
Parkway well #26 on [0400 to 0700] and [1200 to 1700] at 287 gpm, [1100 to 1200] and [1700 to 1800] at 4,000 gpm	
Parkway well #28 on [0400 to 0700] and [1200 to 1700] at 398 gpm, [1800 to 2000] at 4,000 gpm	
Parkway well #28 on [0400 to 0700] and [1200 to 1700] at 682 gpm, [2000 to 2100] at 4,000 gpm	
Indian Head #20 on [0000 to 1900] and [2200 to 2400] at 493 gpm	
Route 70, well #31 on [0000 to 2000] and [2200 to 2400] at 697 gpm	
South Toms River well #32 on [1300 to 2000] at 698 gpm	
<i>(note:South Toms River well #38 out of service)</i>	
Berkeley well #33 on [0000 to 2400] at 988 gpm	
Berkeley well #34 on [0700 to 2100] at 975 gpm	
Berkeley well #35 on [0600 to 0900] at 623 gpm	
November	South Toms River elevated storage tank in service: Initial WL=8.0 feet
	South Toms River booster pump #1 and #2 off, bypass pipe open [00:00 to 07:00]
	South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [07:00 to 09:00]
	South Toms River booster pump #1 and #2 off, bypass pipe open [09:00 to 14:00]
	South Toms River booster pump #1 off, Booster Pump #2 on, bypass pipe closed [14:00 to 20:00]
	South Toms River booster pump #1 & #2 off and bypass pipe open [20:00 to 24:00]
	Indian Hill elevated storage tank in service: Initial WL=10.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [00:00 to 24:00] at 847 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [04:00 to 07:00] and [12:00 to 17:00] at 2,925 gpm
Parkway high-service pump #2 on [07:00 to 12:00] and [17:00 to 21:00] at 4,000 gpm)	

Table C-5. Water-distribution system operations, Dover Township area, New Jersey, January 1988–December 1988—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations	
November—Continued	<p>Holiday City ground-level storage tank in service: Initial WL=24.0 Holiday City booster pump off and bypass pipe open [00:00 to 06:45] Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30] Holiday City booster pump off and bypass pipe open [12:30 to 24:00] Holly well #21 on [00:00 to 24:00] at 61 gpm Holly well #30 on [00:00 to 24:00] at 785 gpm Parkway well #22 on [08:00 to 12:00] and [15:00 to 20:00] at 672 gpm Parkway well #23 on [08:00 to 12:00] and [15:00 to 20:00] at 136 gpm Parkway well #24 on [0800 to 1200] and [1500 to 2000] at 637 gpm Parkway well #26 on [0800 to 1200] and [1500 to 2000] at 600 gpm Parkway well #28 on [0800 to 1200] and [1500 to 2000] at 476 gpm Parkway well #29 on [0800 to 1200] and [1500 to 2000] at 566 gpm Brookside well #15 on [0000 to 0400] and [1900 to 2400] at 713 gpm Indian Head #20 on [0000 to 1900] and [2200 to 2400] at 493 gpm Route 70, well #31 on [0000 to 2100] and [2200 to 2400] at 686 gpm South Toms River well #32 on [1100 to 2000] at 683 gpm <i>(note:South Toms River well #38 out of service)</i> Berkeley well #33 on [0000 to 2400] at 996 gpm Berkeley well #34 on [0700 to 2200] at 992 gpm Berkeley well #35 on [0700 to 1500] at 676 gpm</p>	
	December	<p>South Toms River elevated storage tank in service: Initial WL=12.0 feet South Toms River booster pump #1 and #2 off, bypass pipe open [0000 to 1000] South Toms River booster pump #1 on, Booster Pump #2 off, bypass pipe closed [1000 to 1400] South Toms River booster pump #1 and #2 off, bypass pipe open [1400 to 2400] Indian Hill elevated storage tank in service: Initial WL=16.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0900], [1200 to 1800], [2100 to 2300] at 2,977 gpm Parkway high-service pump #2 on [0900 to 1200] and [1800 to 2100] at 4,000 gpm Holiday City ground-level storage tank in service: Initial WL=24.0 Holiday City booster pump off and bypass pipe open [0000 to 06:45] Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:45 to 12:30] Holiday City booster pump off and bypass pipe open [12:30 to 2400] <i>(note:Holly well #21 out of service)</i> <i>(note:Holly well #30 out of service)</i> Parkway well #22 on [0500 to 0900], [1200 to 1800], [2100 to 2300] at 83 gpm, [0900 to 1200] at 4,000 gpm <i>(note:Parkway well #23 out of service)</i> Parkway well #24 on [0500 to 0900], [1200 to 1800] and [2100 to 2300] at 34 gpm; [1800 to 2100] at 4,000 gpm Parkway well #26 on [0500 to 0900], [1200 to 1800], [2100 to 2300] at 953 gpm Parkway well #28 on [0500 to 0900], [1200 to 1800], [2100 to 2300] at 1,050 gpm Parkway well #29 on [0500 to 0900], [1200 to 1800], [2100 to 2300] at 856 gpm <i>(note: Brookside well #15 out of service)</i> Indian Head well #20 on [0000 to 0600] and [1900 to 2400] at 490 gpm Route 70, well #31 on [0000 to 1000] and [1200 to 2400] at 703 gpm South Toms River well #32 on [0700 to 1400] at 691 gpm South Toms River well #38 on [0600 to 0700] at 676 gpm Berkeley well #33 on [0000 to 2400] at 989 gpm Berkeley well #34 on [0600 to 1900] at 1,002 gpm Berkeley well #35 on [1000 to 1900] at 699 gpm</p>

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
January	<p>Indian Hill elevated storage tank in service: Initial WL=18.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 2200] at 3037 gpm) Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=26.0 feet Parkway well #22 on [0500 to 2200] at 624 gpm Parkway well #24 on [0500 to 2200] at 394 gpm Parkway well #26 on [0500 to 2200] at 179 gpm Parkway well #28 on [0500 to 2200] at 602 gpm Parkway well #29 on [0500 to 2200] at 126 gpm Parkway well #42 on [0500 to 2200] at 1,112 gpm Indian Head well #20 on [0000 to 1100] and [1700 to 2400] at 451 gpm Route 70, well #31 on [0000 to 1300] and [1500 to 2400] at 660 gpm South Toms River well #32 on [0000 to 2400] at 513 gpm Berkeley well #33 on [0000 to 1300] and [1600 to 2400] at 903 gpm Berkeley well #34 on [0200 to 2300] at 878 gpm Berkeley well #35 on [0200 to 2300] at 615 gpm</p>
February (Minimum-Demand Month)	<p>Indian Hill elevated storage tank in service: Initial WL=18.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 2300] at 3004 gpm) Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=26.0 feet Parkway well #22 on [0500 to 2300] at 596 gpm Parkway well #24 on [0500 to 2300] at 405 gpm <i>(note: Parkway well #26 out of service)</i> Parkway well #28 on [0500 to 2300] at 601 gpm Parkway well #29 on [0500 to 2300] at 465 gpm Parkway well #42 on [0500 to 2300] at 937 gpm Indian Head well #20 on [0000 to 1300] and [1600 to 2400] at 441 gpm Route 70, well #31 on [0000 to 2400] at 655 gpm South Toms River well #32 on [0500 to 2200] at 536 gpm South Toms River well #38 on [0600 to 0700] at 330 gpm Berkeley well #33 on [0000 to 1300] and [1500 to 2400] at 903 gpm Berkeley well #34 on [0600 to 2100] at 897 gpm Berkeley well #35 on [0100 to 2300] at 620 gpm</p>
March	<p>Indian Hill elevated storage tank in service: Initial WL=22.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 2,966 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm</p>

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
March—Continued	<p>Holiday City ground-level storage tank in service: Initial WL=18.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=30.0 feet Parkway well #22 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 289 gpm; [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 321 gpm; [0900 to 1000] at 4,800 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 570 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 249 gpm; [1800 to 2000] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 776 gpm Parkway well #42 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 761 gpm Indian Head well #20 on [0000 to 1300] and [1600 to 2400] at 445 gpm Route 70, well #31 on [0000 to 2400] at 673 gpm South Toms River well #32 on [0600 to 1200] at 552 gpm <i>(note:South Toms River well #38 out of service)</i> Berkeley well #33 on [0000 to 1400] and [1500 to 2400] at 902 gpm Berkeley well #34 on [0000 to 2400] at 907 gpm Berkeley well #35 on [0600 to 1700] at 594 gpm</p>
April	<p>Indian Hill elevated storage tank in service: Initial WL=32.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [1100 to 1600] at 976 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 3,129 gpm Parkway high-service pump #2 on [0700 to 1100] and [1800 to 2100] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=35.0 feet Holly well #30 on [1100 to 1600] at 976 gpm Parkway well #22 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 309 gpm; on [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 421 gpm; on [2000 to 2100] at 4,800 gpm Parkway well #26 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 1,034 gpm Parkway well #28 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 296 gpm; on [0900 to 1100] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 76 gpm; on [1800 to 2000] at 4,800 gpm Parkway well #42 on [0500 to 0700], [1100 to 1800] and [2100 to 2300] at 993 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 445 gpm Route 70, well #31 on [0000 to 2400] at 688 gpm South Toms River well #32 on [0000 to 2400] at 516 gpm Berkeley well #33 on [0000 to 1400] and [1500 to 2400] at 873 gpm Berkeley well #34 on [0000 to 2400] at 895 gpm Berkeley well #35 on [0100 to 2300] at 612 gpm</p>

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
May	<p>Indian Hill elevated storage tank in service: Initial WL=33.0 feet Holly ground-level storage tank in service (closed in EPANET 2) (note: Holly wells pump directly into system and represent Holly high-service pump flows Holly high-service pump #1 on [0500 to 2200] at 893 gpm Holly high-service pump #2 on [0000 to 0500] and [2200 to 2400] at 1,400 gpm) Parkway ground-level storage tank in service (closed in EPANET 2) (note:Parkway wells pump directly into system and represent Parkway high-service pump flows Parkway high-service pump #1 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 2,953 gpm Parkway high-service pump #2 on [0700 to 1200] and [1700 to 2100] at 4,800 gpm) Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=31.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 0800] at 895 gpm) Holly well #30 on [0500 to 2200] at 893 gpm; on [0000 to 0500] and [2200 to 2400] at 1,400 gpm Parkway well #22 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 282 gpm; on [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 1,173 gpm Parkway well #26 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 1,148 gpm Parkway well #28 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 105 gpm; on [0900 to 1100] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 90 gpm; on [1900 to 2100] at 4,800 gpm Parkway well #42 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 155 gpm; on [1100 to 1200] and [1700 to 1900] at 4,800 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 437 gpm Route 70, well #31 on [0000 to 2400] at 679 gpm South Toms River well #32 on [0000 to 2400] at 541 gpm Berkeley well #33 on [0000 to 1300] and [1600 to 2400] at 908 gpm Berkeley well #34 on [0000 to 2400] at 901 gpm Berkeley well #35 on [0000 to 2300] at 614 gpm Windsor well #40 on [0600 to 0800] at 895 gpm</p>
June	<p>Parkway high-service pump #2 on [0600 to 1200] and [1700 to 2200] at 4,800 gpm) Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=32.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 1300] at 1,000 gpm) Holly well #30 on [0000 to 0600] and [1700 to 2400] at 1,400 gpm; [0600 to 1700] at 2,048 gpm Holly well #37 on [0600 to 1700] at 133 gpm Parkway well #22 on [0400 to 0600] and [1200 to 1700] at 613 gpm;[0600 to 0800] at 4,800 gpm Parkway well #24 on [0400 to 0600] and [1200 to 1700] at 1,373 gpm Parkway well #26 on [0400 to 0600] and [1200 to 1700] at 302 gpm;[0800 to 1000] at 4,800 gpm Parkway well #28 on [0400 to 0600] and [1200 to 1700] at 287 gpm;[1000 to 1200] at 4,800 gpm Parkway well #29 on [0400 to 0600] and [1200 to 1700] at 181 gpm;[1700 to 1900] at 4,800 gpm</p>

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
June—Continued	Parkway well #42 on [0400 to 0600] and [1200 to 1700] at 95 gpm; [1900 to 2200] at 4,800 gpm
	Brookside well #15 on [0000 to 0100] and [2300 to 2400] at 812 gpm
	Indian Head well #20 on [0000 to 1200] and [1700 to 2400] at 453 gpm
	Route 70, well #31 on [0000 to 2400] at 684 gpm
	South Toms River well #32 on [0300 to 2300] at 522 gpm
	South Toms River well #38 on [0600 to 1000] at 559 gpm
	Berkeley well #33 on [0000 to 1300] and [1500 to 2400] at 871 gpm
	Berkeley well #34 on [0000 to 2400] at 938 gpm
	Berkeley well #35 on [0000 to 2300] at 623 gpm
	Windsor well #40 on [0600 to 1300] at 1,000 gpm
July	Indian Hill elevated storage tank in service: Initial WL=31.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0600 to 0900], [1100 to 1800] and [2000 to 2200] at 900 gpm
	Holly high-service pump #2 on [0600 to 0900], [1100 to 1800] and [2000 to 2200] at 1,290 gpm; on [0000 to 0600] and [2200 to 2400] at 1,390 gpm
	Holly high-service pump #3 on [0900 to 1100] and [1800 to 2000] at 2,790 gpm)
	Parkway ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>
	Parkway high-service pump #1 on [0400 to 0600] and [1200 to 1700] at 3,095 gpm
	Parkway high-service pump #2 on [0600 to 1200] and [1700 to 2200] at 4,800 gpm)
	Holiday City ground-level storage tank in service: Initial WL=17.0 feet
	Holiday City booster pump off and bypass pipe open from [0000 to 0600]
	Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100]
	Holiday City booster pump off and bypass pipe closed from [1100 to 2300]
	Holiday City booster pump off and bypass pipe open from [2300 to 2400]
	North Dover elevated storage tank in service: Initial WL=32.0 feet
	Windsor ground-level storage tank in service (closed in EPANET 2)
	<i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i>
	Windsor high-service pump #1 on [0600 to 1200] at 999 gpm)
	Holly well #30 on [0000 to 0600] and [2200 to 2400] at 1,173 gpm; on [0600 to 0900], [1100 to 1800] and [2000 to 2200] at 2,190 gpm; on [0900 to 1100] and [1800 to 2000] at 2,790 gpm
	Holly well #37 on [0000 to 0600] and [2200 to 2400] at 216 gpm
	Parkway well #22 on [0400 to 0600] and [1200 to 1700] at 602 gpm; [0600 to 0800] at 4,800 gpm
	Parkway well #24 on [0400 to 0600] and [1200 to 1700] at 1,365 gpm
	Parkway well #26 on [0400 to 0600] and [1200 to 1700] at 293 gpm; [0800 to 1000] at 4,800 gpm
	Parkway well #28 on [0400 to 0600] and [1200 to 1700] at 308 gpm; [1000 to 1200] at 4,800 gpm
Parkway well #29 on [0400 to 0600] and [1200 to 1700] at 223 gpm; [2000 to 2200] at 4,800 gpm	
Parkway well #42 on [0400 to 0600] and [1200 to 1700] at 305 gpm; [1700 to 2000] at 4,800 gpm	
Brookside well #15 on [0000 to 0500] at 696 gpm	
Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 436 gpm	
Route 70, well #31 on [0000 to 2400] at 681 gpm	
South Toms River well #32 on [0500 to 2300] at 537 gpm	
South Toms River well #38 on [0400 to 2300] at 523 gpm	
Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 898 gpm	
Berkeley well #34 on [0000 to 2400] at 942 gpm	
Berkeley well #35 on [0000 to 2300] at 624 gpm	
Windsor well #40 on [0600 to 1200] at 999 gpm	

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
August (Maximum-Demand Month)	<p>Indian Hill elevated storage tank in service: Initial WL=34.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0500 to 0800], [1200 to 1700] and [2100 to 2400] at 900 gpm Holly high-service pump #2 on [0500 to 0800], [1200 to 1700] and [2100 to 2400] at 1,300 gpm; on [0000 to 0500] at 1,492 gpm Holly high-service pump #3 on [0800 to 1200] and [1700 to 2100] at 3,000 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 3,180 gpm Parkway high-service pump #2 on [0600 to 1200] and [1700 to 2200] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=22.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0000 to 2400] at 1,166 gpm Holly well #30 on [0000 to 0500] at 29 gpm; on [0500 to 0800], [1200 to 1700] and [2100 to 2400] at 2,200 gpm; on [0800 to 1200] and [1700 to 2100] at 3,000 gpm Holly well #37 on [0000 to 0500] at 1,463 gpm Parkway well #22 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 583 gpm; on [0600 to 0800] at 4,800 gpm Parkway well #24 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 60 gpm; on [0800 to 1000] at 4,800 gpm Parkway well #26 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 247 gpm; on [1000 to 1200] at 4,800 gpm Parkway well #28 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 787 gpm; on [2100 to 2200] at 4,800 gpm Parkway well #29 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 1,383 gpm Parkway well #42 on [0400 to 0600], [1200 to 1700] and [2200 to 2300] at 118 gpm; on [1700 to 2100] at 4,800 gpm Brookside well #15 on [0000 to 1300] and [2200 to 2400] at 677 gpm Indian Head well #20 on [0000 to 1700] and [2100 to 2400] at 439 gpm Route 70, well #31 on [0000 to 2400] at 681 gpm South Toms River well #32 on [0200 to 2300] at 531 gpm South Toms River well #38 on [0500 to 2200] at 717 gpm Berkeley well #33 on [0000 to 1500] and [1800 to 2400] at 877 gpm Berkeley well #34 on [0000 to 2400] at 959 gpm Berkeley well #35 on [0000 to 2300] at 624 gpm Windsor well #40 on [0000 to 2400] at 1,166 gpm</p>
	<p>Indian Hill elevated storage tank in service: Initial WL=33.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 2000] at 900 gpm Holly high-service pump #2 on [0600 to 2000] at 1,310 gpm; [0000 to 0600] and [2000 to 2400] at 1,409 gpm) Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 3,002 gpm Parkway high-service pump #2 on [0700 to 1200] and [1700 to 2100] at 4,800 gpm) Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300]</p>

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations	
September—Continued	Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=34.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 1400] at 990 gpm Holly well #30 on [0000 to 0600] and [2000 to 2400] at 1381 gpm; [0600 to 2000] at 2,210 gpm Holly well #37 on [0000 to 0600] and [2000 to 2400] at 28 gpm Parkway well #22 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 400 gpm; on [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 1,099 gpm Parkway well #26 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 35 gpm; on [0900 to 1100] at 4,800 gpm Parkway well #28 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 30 gpm; on [1100 to 1200] and [1700 to 1800] at 4,800 gpm	
	Parkway well #29 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 1,333 gpm Parkway well #42 on [0500 to 0700], [1200 to 1700] and [2100 to 2200] at 105 gpm; on [1800 to 2100] at 4,800 gpm Brookside well #15 on [0000 to 0700] and [2100 to 2400] at 687 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 441 gpm Route 70, well #31 on [0000 to 2400] at 683 gpm South Toms River well #32 on [0600 to 2100] at 535 gpm South Toms River well #38 on [0600 to 1800] at 514 gpm Berkeley well #33 on [0000 to 1300] and [1600 to 2400] at 886 gpm Berkeley well #34 on [0000 to 2400] at 946 gpm Berkeley well #35 on [0000 to 2300] at 632 gpm Windsor well #40 on [0600 to 1400] at 990 gpm	
	October (Average-Demand Month)	Indian Hill elevated storage tank in service: Initial WL=28.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0100 to 2300] at 920 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 3,102 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=35.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 1200] at 932 gpm Holly well #30 on [0100 to 2300] at 920 gpm <i>(note:Holly well #37 out of service)</i> Parkway well #22 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 60 gpm; on [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 603 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 97 gpm; on [1800 to 2000] at 4,800 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 858 gpm Parkway well #29 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 969 gpm Parkway well #42 on [0500 to 0700], [1000 to 1800] and [2000 to 2200] at 514 gpm

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations	
October—Continued	<i>(note:Brookside well #15 out of service)</i> Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 448 gpm Route 70, well #31 on [0000 to 2400] at 680 gpm <i>(note:South Toms River well #32 out of service)</i> <i>(note:South Toms River well #38 out of service)</i> Berkeley well #33 on [0000 to 1400] and [1500 to 2400] at 871 gpm Berkeley well #34 on [0000 to 2400] at 961 gpm Berkeley well #35 on [0000 to 2300] at 605 gpm Windsor well #40 on [0600 to 1200] at 932 gpm	
	Indian Hill elevated storage tank in service: Initial WL=20.0 feet <i>note: Holly ground-level storage tank out of service)</i> Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 2,950 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] North Dover elevated storage tank in service: Initial WL=27.0 feet Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i>	
	November	Windsor high-service pump #1 on [0600 to 0900] at 1,073 gpm <i>(note:Holly well #30 out of service)</i> Parkway well #22 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 81 gpm; on [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 631 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 153 gpm; on [1800 to 2000] at 4,800 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 821 gpm Parkway well #29 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 932 gpm Parkway well #42 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 332 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 454 gpm Route 70, well #31 on [0000 to 2400] at 667 gpm Berkeley well #33 on [0000 to 1400] and [1500 to 2400] at 876 gpm Berkeley well #34 on [0000 to 2400] at 1,014 gpm Berkeley well #35 on [0000 to 2400] at 616 gpm Windsor well #40 on [0600 to 0900] at 1,073 gpm

Table C-6. Water-distribution system operations, Dover Township area, New Jersey, January 1995–December 1995—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
December	<p>Indian Hill elevated storage tank in service: Initial WL=20.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 2,890 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 feet Holiday City booster pump off and bypass pipe open from [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed from [0600 to 1100] Holiday City booster pump off and bypass pipe closed from [1100 to 2300] Holiday City booster pump off and bypass pipe open from [2300 to 2400] <i>(note: Windsor ground-level storage tank out of service)</i> North Dover elevated storage tank in service: Initial WL=26.0 feet Parkway well #22 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 6 gpm; on [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 201 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 732 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 37 gpm; on [1800 to 2000] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 837 gpm Parkway well #42 on [0500 to 0700], [1000 to 1800] and [2000 to 2300] at 1,077 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 444 gpm Route 70, well #31 on [0000 to 1400] and [1500 to 2400] at 704 gpm South Toms River well #32 on [0600 to 1000] at 613 gpm Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 985 gpm Berkeley well #34 on [0000 to 2400] at 1,002 gpm Berkeley well #35 on [0200 to 2300] at 704 gpm <i>(note: Windsor well #40 out of service)</i></p>

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations	
January	Indian Hill elevated storage tank in service: Initial WL=19.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 3,039 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] North Dover elevated storage tank in service: Initial WL=31.0 feet Parkway well #22 on [0500 to 0700] at 23 gpm, [0700 to 0900] at 4,800 gpm, [1000 to 1800] and [2000 to 2200] at 23 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 496 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 820 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 86 gpm, [0900 to 1000] and [1800 to 1900] at 4,800 gpm Parkway well #29 on [0500 to 0700] and [1000 to 1800] at 523 gpm, [1900 to 2000] at 4,800 gpm and [2000 to 2200] at 523 gpm Parkway well #42 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 1,091 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 448 gpm Route 70, well #31 on [0000 to 2400] at 667 gpm South Toms River well #32 on [0600 to 1400] at 563 gpm Berkeley well #33 on [0000 to 1300] and [1500 to 2400] at 886 gpm Berkeley well #34 on [0000 to 2400] at 1,001 gpm Berkeley well #35 on [0400 to 2200] at 641 gpm	
	February (Minimum-Demand Month)	Indian Hill elevated storage tank in service: Initial WL=22.0 feet Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note: Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 3,028 gpm Parkway high-service pump #2 on [0600 to 1100] and [1700 to 2100] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] North Dover elevated storage tank in service: Initial WL=29.0 feet Parkway well #22 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 41 gpm, [0600 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 9 gpm, [0900 to 1100] at 4,800 gpm Parkway well #26 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 49 gpm; [1700 to 1900] at 4,800 gpm Parkway well #28 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 118 gpm, [1900 to 2100] at 4,800 gpm Parkway well #29 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 1,244 gpm Parkway well #42 on [0500 to 0600], [1100 to 1700], [2100 to 2300] at 1,567 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 454 gpm Route 70, well #31 on [0000 to 2400] at 657 gpm South Toms River well #32 on [0600 to 1500] at 514 gpm Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 900 gpm Berkeley well #34 on [0000 to 2400] at 959 gpm <i>(note: Berkeley well #35 out of service)</i>

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations	
March	Indian Hill elevated storage tank in service: Initial WL=20.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 1500] at 917 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 3,007 gpm Parkway high-service pump #2 on [0700 to 1100] and [1800 to 2100] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400]	
	North Dover elevated storage tank in service: Initial WL=27.0 feet Holly well #30 on [0600 to 1500] at 917 gpm Parkway well #22 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 18 gpm, [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 1gpm, [1000 to 1100] and [1800 to 1900] at 4,800 gpm Parkway well #26 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 764 gpm Parkway well #28 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 67 gpm, [1900 to 2100] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 1,005 gpm Parkway well #42 on [0500 to 0700], [1100 to 1800], [2100 to 2300] at 1,152 gpm Indian Head well #20 on [0000 to 1200] and [1600 to 2400] at 443 gpm Route 70, well #31 on [0000 to 2400] at 674 gpm South Toms River well #32 on [0600 to 1800] at 527 gpm Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 899 gpm Berkeley well #34 on [0000 to 2400] at 915 gpm	
	April	Indian Hill elevated storage tank in service: Initial WL=26.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 1600] at 900 gpm Holly high-service pump #2 on [0600 to 1600] at 1,282 gpm, [0000 to 0600] and [1600 to 2400] at 1,382 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 3,058 gpm Parkway high-service pump #2 on [0700 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] North Dover elevated storage tank in service: Initial WL=23.0 feet Holly well #30 on [0000 to 0600] and [1600 to 2400] at 1,383 gpm, [0600 to 1600] at 2,182 gpm Parkway well #22 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 379 gpm, [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 786 gpm Parkway well #26 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 826 gpm Parkway well #28 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 39 gpm, [0900 to 1000] and [1800 to 1900] at 4,800 gpm

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
April—Continued	Parkway well #29 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 402 gpm, [1900 to 2000] at 4,800 gpm
	Parkway well #42 on [0500 to 0700], [1000 to 1800], [2000 to 2200] at 626 gpm
	Indian Head well #20 on [0000 to 0700] and [2200 to 2400] at 464 gpm
	Route 70, well #31 on [0000 to 0600] and [2300 to 2400] at 673 gpm
	South Toms River well #32 on [0300 to 2300] at 526 gpm
	Berkeley well #33 on [0000 to 1200] and [1700 to 2400] at 883 gpm
	Berkeley well #34 on [0000 to 2300] at 900 gpm
	Indian Hill elevated storage tank in service: Initial WL=31.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [05:00 to 22:00] at 900 gpm
Holly high-service pump #2 on [05:00 to 22:00] at 1,312 gpm, [00:00 to 05:00] and [22:00 to 24:00] at 1,413 gpm)	
Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>	
Parkway high-service pump #1 on [05:00 to 06:00], [12:00 to 17:00], [22:00 to 23:00] at 2,933 gpm	
Parkway high-service pump #2 on [06:00 to 12:00] and [17:00 to 22:00] at 4,800 gpm)	
Holiday City ground-level storage tank in service: Initial WL=16.0	
Holiday City booster pump off and bypass pipe open [00:00 to 06:00]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [06:00 to 11:00]	
Holiday City booster pump off and bypass pipe closed [11:00 to 23:00]	
Holiday City booster pump off and bypass pipe open [23:00 to 24:00]	
Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i>	
Windsor high-service pump #1 on [06:00 to 18:00] at 981 gpm)	
North Dover elevated storage tank in service: Initial WL=21.0 feet	
Holly well #30 on [00:00 to 05:00] at 1,235 gpm, [05:00 to 22:00] at 2212 gpm,[22:00 to 24:00] at 1,235 gpm	
Holly well #37 on [00:00 to 05:00] and [22:00 to 24:00] at 179 gpm	
May	Parkway well #22 on [0500 to 0600], [1200 to 1700], [2200 to 2300] at 94 gpm, [0600 to 0900] at 4,800 gpm
	Parkway well #24 on [0500 to 0600], [1200 to 1700], [2200 to 2300] at 1,442 gpm
	Parkway well #26 on [0500 to 0600], [1200 to 1700] and [2200 to 2300] at 113 gpm, [2000 to 2200] at 4,800 gpm
	Parkway well #28 on [0500 to 0600], [1200 to 1700] and [2200 to 2300] at 138 gpm, [1800 to 2000] at 4,800 gpm
	Holly well #37 on [0000 to 0500] and [2200 to 2400] at 179 gpm
	Parkway well #22 on [0500 to 0600], [1200 to 1700], [2200 to 2300] at 94 gpm, [0600 to 0900] at 4,800 gpm
	Parkway well #24 on [0500 to 0600], [1200 to 1700], [2200 to 2300] at 1,442 gpm
	Parkway well #26 on [0500 to 0600], [1200 to 1700] and [2200 to 2300] at 113 gpm, [2000 to 2200] at 4,800 gpm
	Parkway well #28 on [0500 to 0600], [1200 to 1700] and [2200 to 2300] at 138 gpm, [1800 to 2000] at 4,800 gpm
	Parkway well #29 on [0500 to 0600], [1200 to 1700], [2200 to 2300] at 1,056 gpm
	Parkway well #42 on [0500 to 0600], [1200 to 1700] and [2200 to 2300] at 89 gpm, [0900 to 1200] and [1700 to 1800] at 4,800 gpm
	Brookside well #15 on [0000 to 0400] at 698 gpm
	Indian Head well #20 on [0000 to 0200] at 408 gpm
	Route 70, well #31 on [0000 to 0500] and [2200 to 2400] at 724 gpm
	South Toms River well #32 on [0500 to 2300] at 531 gpm
	South Toms River well #38 on [0600 to 0700] at 182 gpm
	Berkeley well #33 on [0000 to 1300] and [1800 to 2400] at 879 gpm
	Berkeley well #34 on [0000 to 2400] at 922 gpm
	Berkeley well #35 on [0000 to 0100] at 231 gpm
	Windsor well #40 on [0600 to 1800] at 981 gpm

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
June (Maximum-Demand Month)	Indian Hill elevated storage tank in service: Initial WL=31.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 2100] at 900 gpm Holly high-service pump #2 on [0600 to 2100] at 1,300 gpm, [0000 to 0600] and [2100 to 2400] at 1,400 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0600] and [1100 to 1700] at 3,103 gpm Parkway high-service pump #2 on [0600 to 1100] and [1700 to 2200] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=16.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0000 to 2400] at 1,148 gpm North Dover elevated storage tank in service: Initial WL=25.0 feet Holly well #30 on [0000 to 0600] at 1400 gpm, [0600 to 2100] at 2,200 gpm, [2100 to 2400] at 1,400 gpm; <i>(note:Holly well #37 out of service)</i> Parkway well #22 on [0500 to 0600] and [1100 to 1700] at 553 gpm, [0600 to 0800] at 4,800 gpm Parkway well #24 on [0500 to 0600] and [1100 to 1700] at 600 gpm, [0800 to 0900] at 4,800 gpm Parkway well #26 on [0500 to 0600] and [1100 to 1700] at 646 gpm, [0900 to 1000] at 4,800 gpm Parkway well #28 on [0500 to 0600] and [1100 to 1700] at 677 gpm, [1000 to 1100] at 4,800 gpm Parkway well #29 on [0500 to 0600] and [1100 to 1700] at 281 gpm, [1700 to 1800] at 4,800 gpm Parkway well #42 on [0500 to 0600] and [1100 to 1700] at 346 gpm, [1800 to 2200] at 4,800 gpm Brookside well #15 on [0000 to 0400] at 760 gpm <i>(note: Indian Head well #20 out of service)</i> Route 70, well #31 on [0000 to 2400] at 671 gpm South Toms River well #32 on [0700 to 1800] at 526 gpm South Toms River well #38 on [0700 to 1700] at 696 gpm Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 898 gpm Berkeley well #34 on [0000 to 2400] at 934 gpm Berkeley well #35 on [0000 to 2400] at 681 gpm Windsor well #40 on [0000 to 2400] at 1,148 gpm

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
July	<p>Indian Hill elevated storage tank in service: Initial WL=32.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 2000] at 900 gpm Holly high-service pump #2 on [0600 to 2000] at 1,304 gpm, [0000 to 0600] and [2000 to 2400] at 1,404 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 2,889 gpm Parkway high-service pump #2 on [0700 to 1000] and [1900 to 2100] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=16.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 2300] at 1,025 gpm North Dover elevated storage tank in service: Initial WL=29.0 feet Holly well #30 on [0000 to 0600], [2000 to 2400] at 1404 gpm, [0600 to 2000] at 2,204 gpm Parkway well #22 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 22 gpm, [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 30 gpm, [1900 to 2100] at 4,800 gpm Parkway well #26 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 834 gpm Parkway well #28 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 869 gpm Parkway well #29 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 626 gpm Parkway well #42 on [0500 to 0700], [1000 to 1900], [2100 to 2200] at 507 gpm Brookside well #15 on [0000 to 0100] at 411 gpm Indian Head well #20 on [0000 to 0500] and [2300 to 2400] at 438 gpm Route 70, well #31 on [0000 to 2400] at 667 gpm South Toms River well #32 on [0000 to 2400] at 581 gpm <i>(note: South Toms River well #38 out of service)</i> Berkeley well #33 on [0000 to 2000] at 873 gpm Berkeley well #34 on [0000 to 2400] at 939 gpm Berkeley well #35 on [0000 to 2400] at 652 gpm Windsor well #40 on [0600 to 2300] at 1,025 gpm</p>

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
August	<p>Indian Hill elevated storage tank in service: Initial WL=32.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 2200] at 900 gpm Holly high-service pump #2 on [0600 to 2200] at 1,300 gpm [0000 to 0600] and [2000 to 2400] at 1,395 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 3,078 gpm Parkway high-service pump #2 on [0600 to 1000] and [1800 to 2000] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=16.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] Windsor ground-level storage tank in service (closed in EPANET 2) <i>note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0000 to 2400] at 1,111 gpm North Dover elevated storage tank in service: Initial WL=27.0 feet Holly well #30 on [0000 to 0600] and [2200 to 2400] at 1,395 gpm, [0600 to 2200] at 2,200 gpm Parkway well #22 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 288 gpm, [0700 to 0900] at 4,800 gpm Parkway well #24 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 360 gpm Parkway well #26 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 805 gpm Parkway well #28 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 133 gpm, [0900 to 1000] and [1800 to 1900] at 4,800 gpm Parkway well #29 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 683 gpm, [1900 to 2000] at 4,800 gpm Parkway well #42 on [0500 to 0600], [1000 to 1800], [2000 to 2200] at 807 gpm <i>(note:Brookside well #15 out of service)</i> <i>(note:Indian Head well #20 out of service)</i> Route 70, well #31 on [0000 to 2400] at 665 gpm South Toms River well #32 on [0000 to 2400] at 570 gpm Berkeley well #33 on [0000 to 2100] at 895 gpm Berkeley well #34 on [0000 to 2400] at 928 gpm Berkeley well #35 on [0000 to 2400] at 667 gpm Windsor well #40 on [0000 to 2400] at 1,111 gpm</p>

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
September	<p>Indian Hill elevated storage tank in service: Initial WL=36.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0800 to 1500] at 917 gpm Holly high-service pump #2 on [0000 to 0800] and [1500 to 2400] at 1,418 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 3,077 gpm Parkway high-service pump #2 on [0700 to 1200] and [1700 to 2100] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=16.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0600 to 1700] at 974 gpm North Dover elevated storage tank in service: Initial WL=30.0 feet Holly well #30 on [0000 to 0800] at 1418 gpm, [0800 to 1500] at 917 gpm, [1500 to 2400] at 1,418 gpm Parkway well #22 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 8 gpm, [0700 to 1000] at 4,800 gpm Parkway well #24 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 941 gpm Parkway well #26 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 67 gpm, [1000 to 1200] at 4,800 gpm Parkway well #28 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 247 gpm, [1700 to 1900] at 4,800 gpm Parkway well #29 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 981 gpm Parkway well #42 on [0500 to 0700], [1200 to 1700], [2100 to 2300] at 833 gpm, [1900 to 2100] at 4,800 gpm Route 70, well #31 on [0000 to 2400] at 657 gpm South Toms River well #32 on [0000 to 2400] at 624 gpm Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 876 gpm Berkeley well #34 on [0000 to 2400] at 982 gpm Berkeley well #35 on [0000 to 2400] at 677 gpm Windsor well #40 on [0600 to 1700] at 974 gpm</p>
October Average-Demand Month	<p>Indian Hill elevated storage tank in service: Initial WL=36.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0800 to 1300] at 940 gpm Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i> Parkway high-service pump #1 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 2,949 gpm Parkway high-service pump #2 on [0600 to 1200] and [1700 to 2200] at 4,800 gpm Holiday City ground-level storage tank in service: Initial WL=17.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] <i>(note:Windsor ground-level storage tank out of service)</i> North Dover elevated storage tank in service: Initial WL=33.0 feet Holly well #30 on [0800 to 1300] at 940 gpm Parkway well #22 on [0400 to 0600], [1200 to 1700] and [2200 to 2400] at 530 gpm, [0600 to 0800] at 4,800 gpm</p>

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
October—Continued Average-Demand Month	Parkway well #24 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 35 gpm, [0800 to 1000] at 4,800 gpm
	Parkway well #26 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 77 gpm, [1000 to 1200] at 4,800 gpm
	Parkway well #28 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 1,320 gpm
	Parkway well #29 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 946 gpm
	Parkway well #42 on [0400 to 0600], [1200 to 1700], [2200 to 2400] at 40 gpm, [1700 to 2200] at 4,800 gpm
	Route 70, well #31 on [0000 to 2400] at 666 gpm
	South Toms River well #32 on [0000 to 2400] at 591 gpm
	Berkeley well #33 on [0000 to 1300] and [1600 to 2400] at 879 gpm
	Berkeley well #34 on [0000 to 2400] at 1,010 gpm
	Berkeley well #35 on [0000 to 2400] at 695 gpm
	Indian Hill elevated storage tank in service: Initial WL=23.0 feet
	Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i>
	Holly high-service pump #1 on [0000 to 2400] at 913 gpm
Parkway ground-level storage tank in service (closed in EPANET 2) <i>(note:Parkway wells pump directly into system and represent Parkway high-service pump flows)</i>	
Parkway high-service pump #1 on [0900 to 2100] at 2,883 gpm	
Holiday City ground-level storage tank in service: Initial WL=16.0	
Holiday City booster pump off and bypass pipe open [0000 to 0600]	
Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100]	
Holiday City booster pump off and bypass pipe closed [1100 to 2300]	
Holiday City booster pump off and bypass pipe open [2300 to 2400]	
Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i>	
November	Windsor high-service pump #1 on [0300 to 2300] at 1,014 gpm
	North Dover elevated storage tank in service: Initial WL=26.0 feet
	Holly well #30 on [0000 to 2400] at 913 gpm
	Parkway well #22 on [0900 to 2100] at 523 gpm
	Parkway well #24 on [0900 to 2100] at 369 gpm
	Parkway well #26 on [0900 to 2100] at 375 gpm
	Parkway well #28 on [0900 to 2100] at 426 gpm
	Parkway well #29 on [0900 to 2100] at 314 gpm
	Parkway well #42 on [0900 to 2100] at 875 gpm
	Route 70, well #31 on [0000 to 2400] at 674 gpm
	South Toms River well #32 on [0700 to 2000] at 542 gpm
	Berkeley well #33 on [0000 to 1200] and [1600 to 2400] at 895 gpm
	Berkeley well #34 on [0000 to 2400] at 952 gpm
Berkeley well #35 on [0400 to 2200] at 629 gpm	
Windsor well #40 on [0300 to 2300] at 1,014 gpm	

Table C-7. Water-distribution system operations, Dover Township area, New Jersey, January 1996–December 1996—Continued

[WL, water level; gpm, gallons per minute; Operational time in hours is based on a 24-hour time clock. Thus, 600 a.m. is represented as 0600 hours and 600 p.m. is represented as 1800 hours]

Month	Description of Operations
December	<p>Indian Hill elevated storage tank in service: Initial WL=12.0 feet Holly ground-level storage tank in service (closed in EPANET 2) <i>(note:Holly wells pump directly into system and represent Holly high-service pump flows)</i> Holly high-service pump #1 on [0600 to 1900] at 900 gpm Holly high-service pump #2 on [0600 to 1900] at 1,315 gpm, [0000 to 0600] and [1900 to 2400] at 1,415 gpm Parkway ground-level storage tank in service (closed in EPANET 2) Holiday City ground-level storage tank in service: Initial WL=16.0 Holiday City booster pump off and bypass pipe open [0000 to 0600] Holiday City booster pump on (set at 0.87) and bypass pipe closed [0600 to 1100] Holiday City booster pump off and bypass pipe closed [1100 to 2300] Holiday City booster pump off and bypass pipe open [2300 to 2400] Windsor ground-level storage tank in service (closed in EPANET 2) <i>(note:Windsor well pumps directly into system and represents Windsor high-service pump flows)</i> Windsor high-service pump #1 on [0000 to 0600] and [2000 to 2400] at 1,049 gpm, [0600 to 2000] at 1,100 gpm) Windsor high-service pump #3 on [0600 to 2000] at 1,100 gpm North Dover elevated storage tank in service: Initial WL=10.0 feet Holly well #30 on [0000 to 0600] and [1900 to 2400] at 1,415 gpm, [0600 to 1900] at 2,215 gpm <i>(note:Parkway well #22 out of service)</i> <i>(note:Parkway well #24 out of service)</i> <i>(note:Parkway well #26 out of service)</i> <i>(note:Parkway well #28 out of service)</i> <i>(note:Parkway well #29 out of service)</i> <i>(note:Parkway well #42 out of service)</i> Route 70, well #31 on [0000 to 2400] at 674 gpm <i>(note: South Toms River well #32 out of service)</i> Berkeley well #33 on [0000 to 1300] and [1500 to 2400] at 901 gpm Berkeley well #34 on [0000 to 2400] at 1,035 gpm <i>(note:Berkeley well #35 out of service)</i> Windsor well #40 on [0000 to 0600] and [2000 to 2400] at 1,049 gpm, [0600 to 2000] at 2,200 gpm</p>

